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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-Q

(Mark One)

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended June 30, 2026

OR

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from _____ to _____.

Commission File Number: 001-39532

Humacyte, Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation or organization)	**85-1763759** (I.R.S. Employer Identification No.)
2525 East North Carolina Highway 54 Durham, NC (Address of principal executive offices)	**27713** (Zip code)

(919) 313-9633
(Registrant's telephone number, including area code)

Not Applicable
(Former name, former address and former fiscal year, if changed since last report)

Securities registered pursuant to 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock, par value $0.0001 per share	**HUMA**	**The Nasdaq Stock Market LLC**
Redeemable Warrants, each whole warrant exercisable for one share of Common Stock at an exercise price of $11.50	**HUMAW**	**The Nasdaq Stock Market LLC**

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	☐	Accelerated filer	☐
Non-accelerated filer	☒	Smaller reporting company	☒
		Emerging growth company	☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

As of August 10, 2026, 277,798,105 shares of common stock, par value $0.0001, were issued and outstanding.

Humacyte, Inc.
Quarterly Report on Form 10-Q
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FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q ("Quarterly Report") contains forward-looking statements that involve substantial risks and uncertainties. "Forward-looking statements," as that term is defined in the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934 (the "Exchange Act") are statements that are not historical facts and involve a number of risks and uncertainties. These statements include, without limitation, statements regarding the financial position, business strategy and the plans and objectives of management for future operations. These statements constitute projections, forecasts and forward-looking statements, and are not guarantees of performance. Such statements can be identified by the fact that they do not relate strictly to historical or current facts. When used therein, words such as "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "might," "plan," "possible," "potential," "predict," "project," "should," "strive," "would" and similar expressions may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking. Such statements are based on the beliefs of, as well as assumptions made by and information currently available to, our management.

Forward-looking statements may include, for example, statements about:

- our plans and ability to commercialize Symvess® (acellular tissue engineered vessel-tyod or "ATEV") and, if approved by regulatory authorities, our product candidates, successfully and on our anticipated timelines;
- the degree of market acceptance of and the availability of third-party coverage and reimbursement for Symvess and, if approved by regulatory authorities, our product candidates;
- our ability to manufacture Symvess and, if approved by regulatory authorities, our product candidates, in sufficient quantities to satisfy our clinical trial and commercial needs;
- the expected size of the target populations for Symvess and, if approved by regulatory authorities, our product candidates;
- the anticipated benefits of our ATEVs relative to existing alternatives;
- our assessment of the competitive landscape;
- our plans and ability to execute product development, process development and preclinical development efforts successfully and on our anticipated timelines;
- our plans, anticipated timeline and ability to file applications for, and obtain marketing approvals from, the United States ("U.S.") Food and Drug Administration ("FDA") and other regulatory authorities, including the European Medicines Agency ("EMA") and Israel for our ATEVs and product candidates;
- our plans and expectations regarding the results of our clinical trials, including our V012 Phase 3 clinical trial, and regarding our ongoing or planned clinical trials;
- our ability to design, initiate and successfully complete clinical trials and other studies for our product candidates;
- our ability to execute and achieve the expected benefits of our cost-saving measures and whether our efforts will result in further actions or additional asset impairment charges that adversely affect our business;
- the outcome of our ongoing discussions with the FDA concerning the design of our clinical trials;
- our anticipated growth rate and market opportunities;
- our ability to use our proprietary scientific technology platform to build a pipeline of additional product candidates;
- the characteristics and performance of our ATEVs and the public perception thereof;
- our expectations regarding our strategic partnership with Fresenius Medical Care Holdings, Inc. ("Fresenius Medical Care");
- the performance of other third parties on which we rely, including our third-party manufacturers, our licensors, our suppliers and the organizations conducting our clinical trials;
- our ability to obtain and maintain intellectual property protection for our product candidates as well as our ability to operate our business without infringing, misappropriating or otherwise violating the intellectual property rights of others;

- our ability to maintain the confidentiality of our trade secrets, particularly with respect to our manufacturing process;
- our compliance with applicable laws and regulatory requirements, including FDA regulations, healthcare laws and regulations, and anti-corruption laws;
- our involvement in existing or potential claims and legal and administrative proceedings, and the merits, potential outcomes and effects of both existing and potential claims and legal and administrative proceedings, as well as regulatory determinations, on our business, prospects, financial condition and results of operations;
- our ability to attract, retain and motivate qualified personnel and to manage our growth effectively;
- our estimates regarding how long our existing cash and cash equivalents will be sufficient to fund our anticipated operating expenses, capital expenditures and debt service obligations and our ability to continue as a going concern;
- our future financial performance and capital requirements, including our ability to raise additional capital in the future;
- our ability to implement and maintain effective internal controls;
- the timing and expected benefits of the commitment to purchase Symvess to facilitate a clinical evaluation and outreach program in the Kingdom of Saudi Arabia (the "KSA");
- the potential liquidity and trading of our securities; and
- the impact of the overall global economy and increasing interest rates and inflation on our business.

We caution readers not to place undue reliance on any such forward-looking statements, which speak only as of the date they are made. Any forward-looking statements are based on information current as of the date of this Quarterly Report and speak only as of the date on which such statements are made. Actual events or results may differ materially from the results, plans, intentions or expectations anticipated by these forward-looking statements as a result of a variety of factors, many of which are beyond our control. More information on factors that could cause actual results to differ materially from those anticipated is included from time to time in our reports filed with the Securities and Exchange Commission (the "SEC"), including, but not limited to, those described in the sections titled "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" included in this Quarterly Report, our Quarterly Report on Form 10-Q for the three months ended March 31, 2026, filed with the SEC on May 13, 2026, and our Annual Report on Form 10-K for the year ended December 31, 2025, which we filed with the SEC on March 27, 2026. We disclaim any obligation, except as specifically required by law, to publicly update or revise any such statements to reflect any change in our expectations or in events, conditions or circumstances on which any such statements may be based, or that may affect the likelihood that actual results will differ from those set forth in the forward-looking statements.

PART I – FINANCIAL INFORMATION

Item 1. Financial Statements

Humacyte, Inc.
Condensed Consolidated Balance Sheets
(unaudited)
(in thousands except for share and per share amounts)

	June 30, 2026	December 31, 2025
ASSETS		
Current assets:		
Cash and cash equivalents	$ 79,903	$ 50,497
Inventory, net	6,985	13,589
Accounts receivable	330	441
Prepaid expenses and other current assets	5,569	3,268
Total current assets	92,787	67,795
Restricted cash	209	209
Property and equipment, net	16,170	18,544
Finance lease right-of-use assets, net	28,249	29,146
Other long-term assets	672	672
Total assets	**$ 138,087**	**$ 116,366**
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Accounts payable	$ 4,157	$ 5,404
Accrued expenses	9,273	10,540
Finance lease obligation, current portion	1,518	2,428
Total current liabilities	14,948	18,372
Long-term debt	36,324	35,444
Contingent Earnout Liability	9,478	11,492
Common stock warrant liabilities	15,651	19,392
Finance lease obligation, net of current portion	28,338	26,974
Other long-term liabilities	2,087	1,583
Total liabilities	**106,826**	**113,257**
Commitments and contingencies (Note 10)		
Stockholders' equity:		
Preferred stock, $0.0001 par value; 20,000,000 shares designated as of June 30, 2026 and December 31, 2025; 0 shares issued and outstanding as of June 30, 2026 and December 31, 2025	—	—
Common stock, $0.0001 par value; 550,000,000 and 350,000,000 shares authorized as of June 30, 2026 and as of December 31, 2025, respectively; 277,798,105 and 193,000,611 shares issued and outstanding as of June 30, 2026 and December 31, 2025, respectively	28	20
Additional paid-in capital	812,502	729,937
Accumulated deficit	(781,269)	(726,848)
Total stockholders' equity	**31,261**	**3,109**
Total liabilities and stockholders' equity	**$ 138,087**	**$ 116,366**

The accompanying notes are an integral part of these financial statements.

Humacyte, Inc.
Condensed Consolidated Statements of Operations and Comprehensive (Loss) Income
(unaudited)
(in thousands except for share and per share amounts)

	Three Months Ended June 30,		Six Months Ended June 30,	
	2026	2025	2026	2025
Revenue:				
Product revenue, net	$ 406	$ 100	$ 899	$ 247
Contract revenue	—	201	2	571
Total revenue	406	301	901	818
Operating expenses:				
Cost of goods sold	1,231	213	3,269	360
Research and development	18,144	22,006	37,606	37,424
General and administrative	8,027	7,809	15,957	15,945
Total operating expenses	27,402	30,028	56,832	53,729
Loss from operations	**(26,996)**	**(29,727)**	**(55,931)**	**(52,911)**
Other income (expense), net:				
Interest income	388	832	718	1,494
Interest expense	(2,321)	(2,545)	(4,592)	(5,545)
Change in fair value of Contingent Earnout Liability	(2,718)	(5,470)	2,014	44,261
Change in fair value of derivatives	(5,155)	(748)	3,370	14,182
Total other (expense) income, net	(9,806)	(7,931)	1,510	54,392
Net (loss) income and comprehensive (loss) income	**$ (36,802)**	**$ (37,658)**	**$ (54,421)**	**$ 1,481**
Net (loss) income per share attributable to common stockholders, basic	$ (0.16)	$ (0.24)	$ (0.25)	$ 0.01
Weighted-average shares outstanding used in computing net (loss) income per share attributable to common stockholders, basic	234,182,284	155,437,281	216,114,910	143,533,212
Net (loss) income per share attributable to common stockholders, diluted	$ (0.16)	$ (0.24)	$ (0.25)	$ 0.01
Weighted-average shares outstanding used in computing net (loss) income per share attributable to common stockholders, diluted	234,182,284	155,437,281	216,114,910	143,664,424

The accompanying notes are an integral part of these financial statements.

Humacyte, Inc.
Condensed Consolidated Statements of Changes in Stockholders' Equity (Deficit)
(unaudited)
(in thousands except for share amounts)

	Common Stock		Additional Paid-in Capital	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount			
Balance as of December 31, 2025	**193,000,611**	**$ 20**	**$ 729,937**	**$ (726,848)**	**$ 3,109**
Issuance of stock in registered direct offerings, net of issuance costs	25,000,000	3	18,316	—	18,319
Issuance of stock under TD Cowen ATM Facility, net of issuance costs	4,018,497	—	4,645	—	4,645
Stock-based compensation	—	—	3,170	—	3,170
Net loss	—	—	—	(17,619)	(17,619)
Balance as of March 31, 2026	**222,019,108**	**$ 23**	**$ 756,068**	**$ (744,467)**	**$ 11,624**
Issuance of stock in public offering, net of issuance costs	54,761,905	5	53,796	—	53,801
Proceeds from the exercise of stock options	24,398	—	30	—	30
Issuance of stock upon vesting of restricted stock units	992,694	—	—	—	—
Stock-based compensation	—	—	2,608	—	2,608
Net loss	—	—	—	(36,802)	(36,802)
Balance as of June 30, 2026	**277,798,105**	**$ 28**	**$ 812,502**	**$ (781,269)**	**$ 31,261**

	Common Stock		Additional Paid-in Capital	Accumulated Deficit	Total Stockholders' Equity (Deficit)
	Shares	Amount			
Balance as of December 31, 2024	**130,027,509**	**$ 13**	**$ 633,333**	**$ (686,015)**	**$ (52,669)**
Issuance of stock in public offering, net of issuance costs	25,000,000	3	46,657	—	46,660
Issuance of stock under Jefferies ATM Facility, net of issuance costs	75,793	—	370	—	370
Proceeds from the exercise of stock options	15,514	—	56	—	56
Stock-based compensation	—	—	2,487	—	2,487
Net income	—	—	—	39,139	39,139
Balance as of March 31, 2025	**155,118,816**	**$ 16**	**$ 682,903**	**$ (646,876)**	**$ 36,043**
Issuance of stock under Jefferies ATM Facility, net of issuance costs	1,224,077		$ 3,233		$ 3,233
Stock-based compensation	—	—	2,434	—	2,434
Net loss	—	—	—	(37,658)	(37,658)
Balance as of June 30, 2025	**156,342,893**	**$ 16**	**$ 688,570**	**$ (684,534)**	**$ 4,052**

The accompanying notes are an integral part of these financial statements.

Humacyte, Inc.
Condensed Consolidated Statements of Cash Flows
(unaudited)
(in thousands)

	Six Months Ended June 30,	
	2026	**2025**
Cash flows from operating activities:		
Net (loss) income	$ (54,421)	$ 1,481
Adjustments to reconcile net (loss) income to net cash used in operating activities:		
Depreciation expense	2,679	2,645
Stock-based compensation expense	5,778	4,822
Change in fair value of Contingent Earnout Liability	(2,014)	(44,261)
Non-cash interest expense	434	4,367
Change in fair value of derivatives	(3,370)	(14,182)
Inventory reserve	2,295	—
Amortization expense	897	1,047
Non-cash operating lease costs	—	29
Amortization of debt discount	580	—
Changes in operating assets and liabilities:		
Accounts receivable	111	(214)
Inventory	4,309	(10,968)
Prepaid expenses and other current assets	(2,301)	505
Accounts payable	(1,274)	2,147
Accrued expenses	(1,496)	(2,403)
Finance lease obligation	628	—
Operating lease obligation	—	(29)
Net cash used in operating activities	(47,165)	(55,014)
Cash flows from investing activities:		
Purchase of property and equipment	(279)	(796)
Net cash used in investing activities	(279)	(796)
Cash flows from financing activities:		
Proceeds from issuance of stock in public offering, net of underwriting fees	54,030	47,000
Payments of costs related to public offering	—	(340)
Proceeds from issuance of stock in registered direct offerings, net of placement agent fees	18,319	—
Proceeds from issuance of stock under ATM Facility, net of issuance costs	4,645	3,603
Proceeds from the exercise of stock options	30	56
Payments of finance lease principal	(174)	(1,414)
Net cash provided by financing activities	76,850	48,905
Net increase (decrease) in cash, cash equivalents and restricted cash	29,406	(6,905)
Cash, cash equivalents and restricted cash at the beginning of the period	50,850	95,290
Cash, cash equivalents and restricted cash at the end of the period	**$ 80,256**	**$ 88,385**
Supplemental disclosure of noncash activities:		
Unpaid issuance costs in connection with public offering	$ 229	$ —
Purchase of property and equipment in accounts payable and accrued expenses	$ 49	$ —

The accompanying notes are an integral part of these financial statements.

Humacyte, Inc.
Notes to Condensed Consolidated Financial Statements
(unaudited)

1. Organization and Description of Business

Organization

Humacyte, Inc. and subsidiaries (unless the context indicates otherwise, collectively, the "Company") is pioneering the development and manufacture of off-the-shelf, universally implantable, bioengineered human tissues, advanced tissue constructs and organ systems with the goal of improving the lives of patients and transforming the practice of medicine. The Company is leveraging its regenerative medicine technology platform to develop proprietary product candidates for use in the treatment of diseases and conditions across a range of anatomic locations in multiple therapeutic areas.

Liquidity and Going Concern

Since its inception in 2004, the Company has incurred operating losses and negative cash flows from operations in each year. To date, the Company has financed its operations primarily through the sale of equity securities and convertible debt, proceeds from the reverse recapitalization described below, borrowings under loan facilities, proceeds from a revenue interest purchase agreement and, to a lesser extent, through product revenue, governmental and other grants. At June 30, 2026 and December 31, 2025, the Company had an accumulated deficit of $781.3 million and $726.8 million, respectively. The Company's operating losses were $55.9 million and $52.9 million for the six months ended June 30, 2026 and 2025, respectively. Net cash flows used in operating activities were $47.2 million and $55.0 million during the six months ended June 30, 2026 and 2025, respectively. Substantially all of the Company's operating losses resulted from costs incurred in connection with the Company's research and development programs and from general and administrative costs associated with the Company's commercial launch of Symvess in the vascular trauma indication and other operations. The Company expects to incur substantial operating losses and negative cash flows from operations for the foreseeable future as the Company advances its product candidates and commercial operations.

On September 24, 2024, the Company entered into a common stock purchase agreement with Lincoln Park Capital Fund, LLC ("Lincoln Park") for an equity line financing (the "Common Stock Purchase Agreement"). The Common Stock Purchase Agreement provides that, subject to the terms and conditions set forth therein, the Company has the sole right, but not the obligation, to sell to Lincoln Park shares of the Company's common stock, par value $0.0001 per share ("Common Stock"), having an aggregate value of up to $50.0 million (the "Purchase Shares") over a 24-month period through September 24, 2026. The Company controls the timing and amount of any sales of Purchase Shares to Lincoln Park pursuant to the Common Stock Purchase Agreement in its sole discretion. As of June 30, 2026, the Company had $47.5 million in remaining availability for sales of Common Stock under the Common Stock Purchase Agreement. There were no purchases made under the Common Stock Purchase Agreement during the three and six months ended June 30, 2026 and 2025.

On March 19, 2026, the Company entered into certain securities purchase agreements, pursuant to which the Company agreed to issue and sell to certain investors in a registered direct offering 25,000,000 shares of Common Stock at a price of $0.80 per share. The net proceeds to the Company were approximately $18.3 million, after deducting the placement agent's fees and estimated offering expenses payable by the Company. The offering closed on March 20, 2026.

On June 10, 2026, the Company entered into an underwriting agreement with Barclays Capital Inc., BTIG, LLC and Titan Partners Group LLC, a division of American Capital Partners, LLC, as representatives of the several underwriters named therein, relating to the issuance and sale in an underwritten offering (the "2026 Public Offering") of 47,619,048 shares of Common Stock, at a price to the public of $1.05 per share (the "2026 Firm Shares"). The Company also granted the underwriters a 30-day option to purchase up to an additional 7,142,857 shares of Common Stock (the "2026 Option Shares") at the same price as the 2026 Firm Shares, which the underwriters exercised on June 15, 2026. The net proceeds to the Company from the 2026 Public Offering, including the sale of the 2026 Option Shares, were approximately $53.8 million after deducting underwriting discounts and commissions and offering expenses. The sale of the 2026 Firm Shares closed on June 12, 2026 and the sale of the 2026 Option Shares closed on June 16, 2026.

As of June 30, 2026, the Company had available cash and cash equivalents of $79.9 million. The Company will not have sufficient liquidity to fund its operations beyond one year from the issuance of these condensed consolidated financial statements

if the Company is unable to generate sufficient cash flows from commercial sales on a timely basis and/or obtain additional capital. These factors raise substantial doubt about the Company's ability to continue as a going concern. The future viability of the Company is dependent on its ability to generate cash flows from the sale of Symvess and raise additional capital to finance its operations. As further disclosed in Note 10, Commitments and Contingencies, in May 2026, the Company implemented a plan to reduce its workforce by approximately 45 employees, defer additional planned new hires, and reduce other operating expenses. These reductions have been implemented thoughtfully, and the Company has retained key personnel, resources, and initiatives to meet its key corporate goals and milestones. The Company plans to seek additional funding through private or public equity financings, debt financings, debt refinancings or restructurings, collaborations, strategic alliances, and marketing, distribution or licensing arrangements. Adequate additional capital may not be available to the Company when needed or on acceptable terms. If the Company is unable to raise capital, the Company plans to implement a program that delays, reduces, suspends or ceases certain of its planned capital expenditures, research and development programs or any future commercialization efforts, which would have a negative impact on its business, prospects, operating results and financial condition. The accompanying condensed consolidated financial statements have been prepared assuming that the Company will continue as a going concern and contemplate the realization of assets and the satisfaction of liabilities in the normal course of business. The accompanying condensed consolidated financial statements do not include any adjustments related to the recoverability and classification of assets or the amounts and classification of liabilities or any other adjustments that might be necessary should the Company be unable to continue as a going concern.

2. Summary of Significant Accounting Policies

Basis of Presentation

The Company has prepared the accompanying condensed consolidated financial statements in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP"). The Company's condensed consolidated financial statements reflect the operations of the Company and its wholly owned subsidiaries. All intercompany accounts and transactions have been eliminated in consolidation.

Reverse Recapitalization

On August 26, 2021 (the "Closing Date"), Hunter Merger Sub, Inc. ("Merger Sub"), a wholly owned subsidiary of Alpha Healthcare Acquisition Corp. ("AHAC") merged with Humacyte, Inc. ("Legacy Humacyte"), with Legacy Humacyte continuing as the surviving corporation and as a wholly-owned subsidiary of AHAC (the "Merger"). The Merger was accounted for as a reverse recapitalization in accordance with accounting principles generally accepted in the United States of America ("U.S. GAAP"). As a result of the Merger, AHAC changed its name to Humacyte, Inc. and Legacy Humacyte changed its name to Humacyte Global, Inc. ("Global").

Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Significant estimates in the financial statements include stock-based compensation, right-of-use assets and lease liabilities, accruals for research and development activities, inventory valuation, the fair value of Contingent Earnout Liability, derivative liabilities (including Common Stock Warrants), and income taxes. The Company evaluates its estimates and assumptions on an ongoing basis using historical experience and other factors and adjusts those estimates and assumptions when facts and circumstances dictate. Actual results could differ from those estimates.

Humacyte, Inc.
Notes to Condensed Consolidated Financial Statements
(unaudited)

Unaudited Interim Condensed Consolidated Financial Statements

The accompanying interim condensed consolidated financial statements and the related footnote disclosures are unaudited. These unaudited interim financial statements have been prepared on the same basis as the audited financial statements and, in management's opinion, include all adjustments, consisting of only normal recurring adjustments, necessary for the fair statement of the Company's financial position as of June 30, 2026 and its results of operations for the three and six months ended June 30, 2026 and 2025, and cash flows for the six months ended June 30, 2026 and 2025. The results of operations for the three and six months ended June 30, 2026 are not necessarily indicative of the results to be expected for the year ending December 31, 2026 or any other period. The December 31, 2025 year-end condensed consolidated balance sheet was derived from audited annual financial statements but does not include all disclosures from the annual financial statements.

Certain information and footnote disclosures normally included in consolidated financial statements prepared in accordance with U.S. GAAP have been condensed or omitted pursuant to such rules and regulations. Accordingly, these condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements for the year ended December 31, 2025 and the related notes included in the Company's Annual Report on Form 10-K, filed with the SEC on March 27, 2026, which provides a more complete discussion of the Company's accounting policies and certain other information. There have been no significant changes to the significant accounting policies disclosed in Note 2 of the audited consolidated financial statements as of and for the years ended December 31, 2025 and 2024 included in the Company's Annual Report.

Segments

The Company is developing proprietary, bioengineered, acellular human tissues, advanced tissue constructs and organ systems that are designed to be used in the treatment of diseases and conditions across a range of anatomic locations in multiple therapeutic areas. The Company's operations are managed and reported to its Chief Executive Officer, the Company's chief operating decision maker ("CODM"), on a consolidated basis. The CODM evaluates financial performance, allocates resources and monitors budget versus actual results based on the Company's condensed consolidated statements of operations and comprehensive (loss) income. The measure of segment assets provided to and reviewed by the CODM is reported on the condensed consolidated balance sheets as total assets. Segment asset information is not used by the CODM to evaluate performance, allocate resources or make strategic decisions. Under the current organizational and reporting structure, the Company operates and manages its business on a consolidated basis as one reportable and operating segment.

As a single reportable segment entity, the Company's segment performance measure is consolidated net (loss) income. Consolidated net (loss) income is used to monitor the budget versus actual results and to help make key operating decisions such as the allocation of budget between research and development and general and administrative expenses. Significant segment expenses within net (loss) income include cost of goods sold, research and development and general and administrative expenses, which are each separately presented on the Company's condensed consolidated statements of operations and comprehensive (loss) income. Other segment items within net (loss) income include interest income, interest expense, changes in the fair value of the Company's Contingent Earnout Liability (as defined in Note 7, Stockholders' Equity and Warrants), and changes in the fair value of derivatives.

Humacyte, Inc.
Notes to Condensed Consolidated Financial Statements
(unaudited)

Additional disaggregated significant segment expenses that are not separately presented on the Company's condensed consolidated statements of operations and comprehensive (loss) income are presented below:

Research and Development Expenses

	Three Months Ended June 30,		Six Months Ended June 30,	
($ in thousands)	2026	2025	2026	2025
Direct Expenses				
Vascular Trauma	$ 94	$ 185	$ 279	$ 412
AV Access	1,374	1,541	2,604	2,744
Total	1,468	1,726	2,883	3,156
Unallocated Expenses				
External services	1,147	1,232	1,981	2,897
Materials and supplies	3,505	8,386	7,807	8,386
Payroll and personnel expenses	8,949	9,087	18,743	18,632
Other research and development expenses	3,075	1,575	6,192	4,353
Total	16,676	20,280	34,723	34,268
Total research and development expenses	**$ 18,144**	**$ 22,006**	**$ 37,606**	**$ 37,424**

Direct expenses for the Company's vascular trauma and arteriovenous ("AV") access for hemodialysis indications include costs related to the Company's clinical trials, including fees paid to clinical research organizations ("CROs"), consultants, clinical sites and investigators. Costs related to development activities which broadly support multiple programs using the Company's technology platform, including personnel, materials and supplies cost prior to inventory capitalization, external services costs, and other internal expenses, such as facilities and overhead costs, are not allocated to individual research and development programs. Other research and development expenses reported in the table above include direct costs not identifiable with a specific product candidate, including costs associated with the Company's research and development platform used across programs, process development, manufacturing analytics and preclinical research and development for prospective product candidates and new technologies.

Non-cash Operating Expenses

	Three Months Ended June 30,		Six Months Ended June 30,	
($ in thousands)	2026	2025	2026	2025
Depreciation expense	$ 1,337	$ 1,337	$ 2,679	$ 2,645
Stock-based compensation expense	2,608	2,434	5,778	4,921

Inventory

The Company capitalizes inventory when it concludes that commercialization and future economic benefit from the sale of products is probable. Prior to this conclusion, the Company expenses inventory as research and development expense in the condensed consolidated statements of operations and comprehensive (loss) income in the period incurred. The determination to capitalize inventory costs is based on various factors, including the product's historical shelf life, the product's current status in the development and regulatory approval process, results from related clinical trials, results from meetings with relevant regulatory agencies, potential obstacles to the approval process and viability of commercialization and market trends.

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In early 2025, based on the Company's assessment of the legal and regulatory process related to Symvess, the Company concluded that it met the criteria to capitalize expenditures as inventory. The Company capitalized $18.2 million of inventory as of June 30, 2026 and $22.5 million as of December 31, 2025. Inventory is stated at the lower of cost or net realizable value. The Company's inventory is valued under the first in, first out method. Cost includes direct materials, direct labor and an allocation of manufacturing overhead. Raw and intermediate materials that may be used for either research and development or commercial purposes are classified as inventory until the material is consumed or otherwise allocated for research and development. If the material is used for research and development, it is expensed as research and development once that determination is made.

The Company evaluates inventory for excess, obsolete or slow-moving items based on historical and forecasted demand, product shelf life, regulatory considerations and other factors that may affect the recoverability of inventory. When necessary, the Company records a reserve to reduce inventory to its estimated net realizable value. The determination of any required inventory reserve involves significant judgment and is based on estimates of future sales volumes, expected market acceptance and demand for the Company's products. As the Company commenced commercialization of Symvess in 2025 and has limited commercial sales history, actual future demand may differ from current estimates. Changes in demand forecasts, market conditions, manufacturing performance or other factors could result in additional inventory write-downs in future periods.

As of June 30, 2026 and December 31, 2025, the Company's allowance for inventory obsolescence was $11.2 million and $8.9 million, respectively. Provision for inventory reserves and write-downs is recorded within cost of goods sold in the condensed consolidated statements of operations and comprehensive (loss) income. Cost of goods sold was $1.2 million and $3.3 million for the three and six months ended June 30, 2026, respectively, and included provisions of $0.7 million and $2.3 million, respectively, to increase the allowance for inventory obsolescence, as well as overhead related to unused production capacity, and royalty expense related to product sales. Cost of goods sold was $0.2 million and $0.4 million for the three and six months ended June 30, 2025.

Revenue Recognition

Revenue from Customers

Under Accounting Standards Codification 606, "Revenue from Contracts with Customers" ("ASC 606"), revenue is recognized when a customer obtains control of promised goods or services and is recognized in an amount that reflects the consideration that an entity expects to receive in exchange for those goods or services. To determine revenue recognition for arrangements that an entity determines are within the scope of ASC 606, the entity performs the following five steps: (i) identify the contract(s) with a customer; (ii) identify the performance obligations in the contract; (iii) determine the transaction price; (iv) allocate the transaction price to the performance obligations in the contract; and (v) recognize revenue when (or as) the entity satisfies a performance obligation. ASC 606 also impacts certain other areas, such as the accounting for costs to obtain or fulfill a contract.

In addition, ASC 606 requires disclosure of the nature, amount, timing, and uncertainty of revenue and cash flows arising from contracts with customers.

For contracts where the period between when the Company transfers a promised good or service to the customer and when the customer pays is one year or less, the Company has elected the practical expedient to not adjust the promised amount of consideration for the effects of a significant financing component.

Product Revenue

The Company's current source of product revenue is derived from U.S. sales of Symvess. The Company recognizes product revenue upon delivery of Symvess to the customer. Revenue is recognized based on the price stated in the approved contract or purchase order. There are no contractual rights of return, and replacements for damaged products are provided free of charge.

The Company's strategic pricing programs provide eligible customers with credits that may be applied to future purchases of Symvess. The Company has determined that the credits provide customers with a material right and allocates the transaction

price between Symvess and the material right based on their relative standalone selling prices. Consideration allocated to the material right is deferred and recognized as revenue when either the credit is applied to a future purchase of Symvess or expires unused. The impact of these programs on the Company's condensed consolidated financial statements for the three and six months ended June 30, 2026 was not material.

Accounts receivable related to product sales were approximately $0.3 million and $0.4 million as of June 30, 2026, and December 31, 2025, respectively.

Contract Revenue

Contract revenue consists of revenue related to a single contract with a customer to recover contract expenses. The expenses incurred related to the contract are primarily classified as research and development expenses on the Company's condensed consolidated statements of operations and comprehensive (loss) income. The Company recognizes revenue associated with each performance obligation as the research and development services are provided using an input method, according to the actual costs incurred compared to the total costs expected to be incurred to satisfy the performance obligation. The transfer of control occurs as the program expenses are incurred and, in management's judgment, is the best measure of progress towards satisfying each performance obligation. The transaction price is determined based on the milestones within the contract and there is no variable consideration. Accounts receivable related to the Company's contract revenue were insignificant as of both June 30, 2026, and December 31, 2025.

Cost of Goods Sold

Cost of goods sold consists of manufacturing costs, transportation and freight, depreciation, indirect overhead costs (including salary-related and stock-based compensation expenses) associated with the commercial manufacturing and distribution of Symvess, and third-party royalties payable on the Company's net product revenue. Cost of goods sold may also include period costs related to excess, dated, or obsolete inventory adjustment charges, and unabsorbed manufacturing and other overhead costs. Inventory is expensed to costs of goods sold when revenue is recognized related to the product.

Interest Expense

Interest expense is recognized using the effective interest method, which reflects a constant rate of interest over the estimated term of the related financing arrangement. Interest expense includes stated interest, as well as the amortization of original issue discounts, issuance costs, premiums, and other amounts that are economically part of the borrowing. Debt is initially recorded at the proceeds received, net of any discounts and issuance costs, and subsequently amortized and accreted to the contractual repayment amount over the estimated term of the arrangement. Changes in the timing or amount of expected cash flows, when applicable, are accounted for in accordance with U.S. GAAP and reflected prospectively through amortization and accretion into interest expense. Interest expense is recorded in interest expense in the condensed consolidated statements of operations and comprehensive (loss) income.

Comprehensive (Loss) Income

Comprehensive (loss) income includes net (loss) income as well as other changes in stockholders' equity (deficit) that result from transactions and economic events other than those with stockholders. There was no difference between net (loss) income and comprehensive (loss) income for the three and six months ended June 30, 2026 and 2025.

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Concentration of Credit Risk

Financial instruments which potentially subject the Company to concentrations of credit risk consist principally of cash and cash equivalents, including amounts classified as restricted cash. Total cash balances exceeded balances insured by the Federal Deposit Insurance Corporation as of June 30, 2026 and December 31, 2025. The Company believes it mitigates this risk by monitoring the financial stability of the institutions holding material cash and cash equivalents balances. The Company maintains the majority of these balances at a Global Systemically Important Bank, as designated by the Financial Stability Board. The Company has cash equivalents that are invested in highly rated money market funds that are invested only in obligations of the U.S. government and its agencies. The Company has not experienced any credit loss relating to its cash and cash equivalents.

The Company believes that credit risks associated with its customers and contractual partners are not significant and has not recorded an allowance for credit loss as of June 30, 2026.

Cash and Cash Equivalents

The Company considers all short-term, highly liquid investments, including certificates of deposit ("CDs") purchased with an original maturity of three months or less at the date of purchase, to be cash equivalents. Cash deposits are held with financial institutions with investment-grade ratings in the U.S. Cash deposits typically exceed federally insured limits. As of June 30, 2026 and December 31, 2025, cash and cash equivalents consisted of cash on deposit with banks denominated in U.S. dollars and investments in money market funds.

Restricted Cash

The Company classifies as restricted cash all cash pledged as collateral to secure long-term obligations and all cash whose use is otherwise limited by contractual provisions. As of June 30, 2026 and December 31, 2025, restricted cash consisted of $0.2 million in funds maintained in a separate deposit account to secure a letter of credit for the benefit of the lessor of the Company's headquarters lease, and $0.1 million in cash balances held as collateral for the Company's employee credit card program.

The following table provides a reconciliation of cash, cash equivalents and restricted cash reported within the condensed consolidated balance sheets to the total of the amounts shown in the condensed consolidated statements of cash flows as of June 30, 2026 and December 31, 2025.

($ in thousands)	June 30, 2026	December 31, 2025
Cash and cash equivalents	$ 79,903	$ 50,497
Restricted cash included in prepaid expenses and other current assets	144	144
Restricted cash included in long-term assets	209	209
Total cash, cash equivalents and restricted cash	$ 80,256	$ 50,850

Stock-based Compensation

The Company accounts for stock-based awards, including warrants issued as compensation, to employees and non-employees in accordance with ASC 718, Compensation—Stock Compensation. Stock-based awards are measured at the grant date based on the award's fair value and recognized as compensation expense over the requisite service period, which is generally the vesting period.

For awards with graded vesting schedules, the Company recognizes compensation expense on a straight-line basis over the requisite period for each separately vesting tranche. For awards with performance-based vesting conditions, compensation expense is recognized over the requisite service period using the accelerated attribution method to the extent achievement of the performance-based condition is probable. The Company does not recognize compensation expense related to awards with performance-based vesting conditions until it is probable that the performance-based vesting condition will be achieved. Forfeitures are accounted for as they occur.

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Stock Options

The Company recognizes stock-based compensation expense of stock options based on the grant-date fair value of the awards estimated using the Black-Scholes option-pricing model. Option valuation models, including the Black-Scholes option-pricing model, require the input of highly subjective assumptions, and changes in the assumptions used can materially affect the grant-date fair value of an award. These assumptions include the risk-free rate of interest, expected dividend yield, expected volatility, the expected term of the award, and the fair value of the underlying Common Stock on the date of grant. Forfeitures are accounted for as they occur.

Restricted Stock Units ("RSUs")

The fair value of RSUs is measured on the grant date based on the closing market price of Common Stock on the grant date. Compensation cost related to RSUs is recognized on a straight-line basis over the requisite service period and is adjusted for forfeitures as they occur.

Net (Loss) Income per Share Attributable to Common Stockholders

Basic net (loss) income per share attributable to common stockholders is computed by dividing net (loss) income attributable to common stockholders by the weighted-average number of shares of Common Stock outstanding during the period. Potentially dilutive securities are excluded from basic net (loss) income per share. Diluted net (loss) income per share attributable to common stockholders reflects the potential dilution that could occur if securities or other contracts to issue Common Stock were exercised or converted or otherwise resulted in the issuance of shares of Common Stock, except when the effect would be anti-dilutive. The calculation of net (loss) income per share also considers the effect of participating securities. The Common Stock warrants issued in the Company's October 2024, November 2024, and October 2025 registered direct offerings are considered participating securities and are included in the computation of net (loss) income per share pursuant to the two-class method. In applying the two-class method, during periods of net income, earnings are allocated to both Common Stock shares and participating securities based on their respective weighted-average shares outstanding for the period. During periods of net loss, no allocation is made to participating securities because they do not share in the Company's losses.

The following table presents the calculation of basic and diluted net (loss) income per share for the periods presented:

	Three Months Ended June 30,		Six Months Ended June 30,	
($ in thousands, except share and per share amounts)	2026	2025	2026	2025
Numerator:				
Net (loss) income	$ (36,802)	$ (37,658)	$ (54,421)	$ 1,481
Less: Undistributed earnings allocated to participating securities	—	—	—	(67)
Net (loss) income attributable to common stockholders	$ (36,802)	$ (37,658)	$ (54,421)	$ 1,414
Denominator:				
Weighted-average common shares outstanding - basic	234,182,284	155,437,281	216,114,910	143,533,212
Dilutive effect of assumed conversion of options to purchase common stock	—	—	—	131,212
Weighted-average common shares outstanding - diluted	234,182,284	155,437,281	216,114,910	143,664,424
Net (loss) income attributable to common stockholders - basic	$ (0.16)	$ (0.24)	$ (0.25)	$ 0.01
Net (loss) income attributable to common stockholders - diluted	$ (0.16)	$ (0.24)	$ (0.25)	$ 0.01

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The following potential shares of Common Stock were excluded from the computation of diluted net (loss) income per share for each period because including them would have been anti-dilutive:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2026	2025	2026	2025
Exercise of options under stock plan	17,402,528	17,377,355	17,402,528	15,754,039
Vesting of RSUs under stock plan	1,053,911	—	1,053,911	—
Warrants to purchase Common Stock	42,625,223	10,669,100	42,580,388	12,374,207
Conversion shares issuable under the Loan Agreement	2,403,846	—	2,403,846	—
Exercise of option by underwriters	—	1,030,220	—	515,110

The 15,000,000 Contingent Earnout Shares (as defined in Note 7) were excluded from the anti-dilutive table for all periods presented, as such shares are contingently issuable until the share price of the Company exceeds specified thresholds that have not yet been achieved, or upon the occurrence of a change in control. The shares subject to the Option Agreement, as defined in Note 5, Revenue Interest Purchase Agreement, were excluded from the anti-dilutive table in the prior period presented based on the Company's assumption that the Option Agreement would not be exercised unless the Company's stock price exceeded $7.50 per share, the minimum purchase price under the Option Agreement.

Other Risks and Uncertainties

The Company is subject to risks and uncertainties common to companies in the biotechnology industry, including, but not limited to, successful discovery and development of its product candidates, the success of clinical trials and other studies for its product candidates, including its ongoing V007 and V012 Phase 3 clinical trials, successful commercialization of Symvess and regulatory approval and commercialization of its product candidates, if approved, the expected size of the target populations for the Company's product candidates, the degree of market acceptance of Symvess, and if approved by regulatory authorities, its product candidates, the availability of third-party coverage and reimbursement, development by competitors of new technological innovations, the ability to manufacture Symvess and its product candidates in sufficient quantities, expectations regarding the Company's strategic partnerships, dependence on third parties, key personnel and the ability to attract and retain qualified employees, protection of proprietary technology and confidentiality of trade secrets, compliance with governmental regulations, the Company's implementation and maintenance of effective internal controls, and the ability to secure additional capital to fund operations and the commercial success of its product candidates.

Product candidates currently under development will require extensive preclinical and clinical testing and regulatory approval prior to commercialization. These efforts require significant amounts of additional capital, adequate personnel, and infrastructure and extensive compliance-reporting capabilities. Even if the Company's commercialization efforts are successful, it is uncertain when, if ever, the Company will realize significant revenue from product sales, and the Company may depend on certain strategic relationships to distribute its products.

Recently Adopted Accounting Pronouncements

In July 2025, the Financial Accounting Standards Board ("FASB") issued ASU No. 2025-05, "Financial Instruments—Credit Losses (Topic 326): Measurement of Credit Losses for Accounts Receivable and Contract Assets" ("ASU 2025-05"). ASU 2025-05 amends the guidance in ASC 326 to simplify the estimation of credit losses for current accounts receivable and current contract assets arising from transactions accounted for under ASC 606 by permitting entities to elect a practical expedient to assume that current conditions as of the balance sheet date will remain unchanged for the remaining life of the asset when developing reasonable and supportable forecasts for expected credit losses. ASU 2025-05 is effective for annual reporting periods beginning after December 15, 2025 and interim reporting periods within those annual reporting periods, with early adoption permitted. Companies that elect the practical expedient are required to apply the amendments prospectively. The Company adopted ASU 2025-05 in the first quarter of 2026 on a prospective basis and elected the practical expedient. The adoption of ASU 2025-05 did not have a material impact on the Company's condensed consolidated financial statements.

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Recently Issued Accounting Pronouncements

In November 2024, the FASB issued ASU No. 2024-03, "Income Statement: Reporting Comprehensive Income—Expense Disaggregation Disclosures" (Subtopic 220-40), "Disaggregation of Income Statement Expenses" ("ASU 2024-03"). In January 2025, the FASB issued ASU No. 2025-01, "Income Statement: Reporting Comprehensive Income—Expense Disaggregation Disclosures" (Subtopic 220-40), "Clarifying the Effective Date" ("ASU 2025-01"). ASU 2024-03 requires additional disclosure about the nature and amounts of expenses included in certain expense captions presented on the income statement to enhance the transparency of the relevant expense captions. ASU 2024-03, as clarified by ASU 2025-01, is effective for annual reporting periods beginning after December 15, 2026 and interim reporting periods within annual reporting periods beginning after December 15, 2027, with early adoption permitted. Entities may elect to apply the amendments either prospectively or retrospectively. The Company is currently evaluating the impact of adopting ASU 2024-03 on the Company's consolidated financial statements and related disclosures.

In December 2025, the FASB issued ASU No. 2025-10, "Government Grants (Topic 832): Accounting for Government Grants Received by Business Entities" ("ASU 2025-10"), to provide guidance on how business entities should recognize, measure, and present government grants received. ASU 2025-10 is effective for fiscal years beginning after December 15, 2028, including interim periods within those fiscal years. Early adoption is permitted, and the amendments may be applied using a modified prospective, modified retrospective, or full retrospective adoption. The Company is currently evaluating the impact of adopting ASU 2025-10 on the Company's consolidated financial statements and related disclosures.

In December 2025, the FASB issued ASU No. 2025-11, "Interim Reporting (Topic 270): Narrow-Scope Improvements" ("ASU 2025-11"), which is intended to improve the navigability of the guidance in ASC 270, Interim Reporting, and clarify when it applies. Under the amendments, an entity is subject to ASC 270 if it provides interim financial statements and notes in accordance with U.S. GAAP. ASU 2025-11 also addresses the form and content of such financial statements, interim disclosure requirements, and establishes a principle under which an entity must disclose events since the end of the last annual reporting period that have a material impact on the entity. ASU 2025-11 is effective for interim reporting periods within annual reporting periods beginning after December 15, 2027. Early adoption is permitted, and the amendments may be applied prospectively or retrospectively to all periods presented in the financial statements. The Company is currently evaluating the impact of adopting ASU 2025-11 on the Company's consolidated financial statements and related disclosures.

3. Fair Value Measurements

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in the principal or most advantageous market in an orderly transaction between market participants at the measurement date. ASC 820, Fair Value Measurement and Disclosures, establishes a hierarchy whereby inputs to valuation techniques used in measuring fair value are prioritized, or the fair value hierarchy. There are three levels to the fair value hierarchy based on reliability of inputs, as follows:

- Level 1 — Observable inputs that reflect unadjusted quoted prices for identical assets or liabilities in active markets.
- Level 2 — Inputs other than quoted prices included in Level 1 that are observable for the asset or liability, such as quoted prices for similar assets or liabilities, quoted prices in markets that are not active, or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.
- Level 3 — Unobservable inputs in which little or no market data exists, therefore requiring the Company to develop its own assumptions.

The Company's money market funds are classified within Level 1 of the fair value hierarchy because they are valued using quoted market prices. The carrying values of cash, accounts receivable, prepaid expenses and other current assets, accounts payable, accrued expenses and other current liabilities as of June 30, 2026 and December 31, 2025 approximated their fair values due to the short-term nature of these items.

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The Company evaluates assets and liabilities subject to fair value measurements on a recurring basis to determine the appropriate level at which to classify them for each reporting period, utilizing valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs to the extent possible. The determination requires significant judgments to be made by the Company.

The Company's assets and liabilities that were measured at fair value on a recurring basis were as follows:

	Fair Value Measured as of June 30, 2026			
($ in thousands)	Level 1	Level 2	Level 3	Total
Assets:				
Cash equivalents (money market funds)	$ 76,981	$ —	$ —	$ 76,981
Common Stock Purchase Agreement derivative asset	—	672	—	672
Total financial assets	$ 76,981	$ 672	$ —	$ 77,653
Liabilities:				
Contingent Earnout Liability	$ —	$ —	$ 9,478	$ 9,478
October 2024 RDO Warrants liability	—	—	657	657
November 2024 RDO Warrants liability	—	—	330	330
October 2025 RDO Warrants liability	—	—	13,144	13,144
Loan Agreement Warrants liability	—	—	1,520	1,520
Loan Agreement conversion derivative liability	—	—	1,207	1,207
JDRF Agreement derivative liability	—	—	229	229
Total financial liabilities	$ —	$ —	$ 26,565	$ 26,565

	Fair Value Measured as of December 31, 2025			
($ in thousands)	Level 1	Level 2	Level 3	Total
Assets:				
Cash equivalents (money market funds)	$ 43,887	$ —	$ —	$ 43,887
Common Stock Purchase Agreement derivative asset	—	672	—	672
Total financial assets	$ 43,887	$ 672	$ —	$ 44,559
Liabilities:				
Contingent Earnout Liability	$ —	$ —	$ 11,492	$ 11,492
Private Placement Warrants liability	—	—	15	15
October 2024 RDO Warrants liability	—	—	862	862
November 2024 RDO Warrants liability	—	—	437	437
October 2025 RDO Warrants liability	—	—	16,356	16,356
Loan Agreement Warrants liability	—	—	1,722	1,722
Loan Agreement conversion derivative liability	—	—	850	850
JDRF Agreement derivative liability	—	—	216	216
Total financial liabilities	$ —	$ —	$ 31,950	$ 31,950

The fair value of the Contingent Earnout Liability (as defined in Note 7), liabilities associated with the Registered Direct Offering Warrants (as defined in Note 7), the derivative liability associated with the JDRF Agreement Disposition Payment (as defined in Note 10), Loan Agreement Warrants liability (as defined in Note 7), and Loan Agreement conversion derivative liability (as defined in Note 7) are based on significant unobservable inputs, which represent Level 3 measurements within the fair value hierarchy. The fair values of the Private Placement Warrants liability (as defined in Note 7), Loan Agreement Warrants liability (as defined in Note 7) and the liabilities associated with the Registered Direct Offering Warrants (as defined in Note 7) are included in common stock warrant liabilities on the condensed consolidated balance sheets. The fair values of the Loan

Agreement conversion derivative liability and the derivative liability associated with the JDRF Agreement Disposition Payment are included in other long-term liabilities on the condensed consolidated balance sheets.

Common Stock Purchase Agreement

The Company evaluated the Common Stock Purchase Agreement and determined that the agreement should be accounted for in accordance with ASC 815-40, "Derivatives and Hedging—Contracts on an Entity's Own Equity." Accordingly, the Company recorded a derivative asset with an initial fair value based on the 115,705 shares of Common Stock issued to Lincoln Park as consideration for its irrevocable commitment to purchase up to $50.0 million in shares of Common Stock. The initial fair value of $0.7 million was based on the closing price of the Common Stock on September 24, 2024, which was $6.12 per share, and the derivative asset is reported as a component of long-term assets on the condensed consolidated balance sheets. Subsequent changes in the fair value of the derivative asset are dependent upon, among other things, changes in the closing share price of Common Stock, the quantity and purchase price of the shares purchased by Lincoln Park during the reporting period and the unused capacity under the Common Stock Purchase Agreement. The Common Stock Purchase Agreement is subsequently remeasured at each reporting date with changes in fair value recorded within Change in fair value of derivatives in the condensed consolidated statements of operations and comprehensive (loss) income. There was no change in fair value of the derivative asset between December 31, 2025 and June 30, 2026, and the fair value of the Commitment Shares (as defined in Note 7) as of both June 30, 2026 and December 31, 2025 was $0.7 million.

Contingent Earnout Liability

The following table presents a summary of the changes in the fair value of the Contingent Earnout Liability:

	Contingent Earnout Liability			
	Three Months Ended June 30,		Six Months Ended June 30,	
($ in thousands)	2026	2025	2026	2025
Fair value as of beginning of period	$ (6,760)	$ (21,230)	$ (11,492)	$ (70,961)
Change in fair value included in other income (expense), net	(2,718)	(5,470)	2,014	44,261
Fair value as of end of period	$ (9,478)	$ (26,700)	$ (9,478)	$ (26,700)

In determining the fair value of the Contingent Earnout Liability, the Company used the Monte Carlo simulation value model using a distribution of potential outcomes on a monthly basis over a 10-year period prioritizing the most reliable information available. The assumptions utilized in the calculation were based on the achievement of certain stock price milestones, including the expected volatility and expected term, as well as certain data inputs, including the Company's common stock price, risk-free interest rate, and expected dividend yield (see Note 7). Contingent earnout payments involve certain assumptions requiring significant judgment and actual results can differ from assumed and estimated amounts.

Contingent Derivative Liability

The debt pursuant to the Purchase Agreement, as defined in Note 5, contained an embedded derivative related to the Put Option, as defined in Note 5, requiring bifurcation as a single compound derivative instrument. The Company estimated the fair value of the derivative liability using a "with-and-without" methodology. The "with-and-without" methodology involves valuing the whole instrument on an as-is basis and then valuing the instrument without the individual embedded derivative. The difference between the entire instrument with the embedded derivative compared to the instrument without the embedded derivative was the fair value of the derivative liability at issuance and each subsequent reporting period.

In determining the fair value of the Contingent derivative liability, the Company used the Monte Carlo simulation value model using a distribution of potential outcomes on a monthly basis over a 10-year period. The estimated probability and timing of underlying events triggering the exercisability of the Put Option contained within the Purchase Agreement, forecasted cash flows and the discount rates are significant unobservable inputs used to determine the estimated fair value of the entire instrument with the embedded derivative.

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In December 2025, the Purchase Agreement, including the embedded Put Option, was terminated in connection with the extinguishment of the Purchase Agreement (as defined in Note 5), and the Contingent derivative liability was derecognized. Prior to termination, the Contingent derivative liability was measured at fair value, with changes in fair value recognized in other income (expense) in the condensed consolidated statements of operations and comprehensive (loss) income and classified within Change in fair value of derivatives.

As of June 30, 2025, the discount rates used to calculate the value of the contingent derivative liability were 12.4% to calculate the present-value of the revenue forecast and 12.4% to calculate the present-value of the payoff of the Put Option.

The following table presents a summary of the changes in the fair value of the Contingent derivative liability:

	Contingent Derivative Liability	
($ in thousands)	Three Months Ended June 30, 2025	Six Months Ended June 30, 2025
Fair value as of beginning of period	$ (3,464)	$ (2,415)
Change in fair value included in other income (expense), net	303	(746)
Fair value as of end of period	$ (3,161)	$ (3,161)

Registered Direct Offering Warrants Liabilities

In determining the fair values of the Registered Direct Offering Warrants liabilities, the Company used the Black-Scholes valuation model to estimate fair value utilizing significant assumptions for expected volatility and expected term and data inputs including the current Common Stock price, risk-free rate, and expected dividend yield (see Note 7).

The following tables present a summary of the changes in the fair value of the Registered Direct Offering Warrants liabilities:

	Three Months Ended June 30, 2026			Six Months Ended June 30, 2026		
($ in thousands)	October 2024 RDO Warrants	November 2024 RDO Warrants	October 2025 RDO Warrants	October 2024 RDO Warrants	November 2024 RDO Warrants	October 2025 RDO Warrants
Fair value as of beginning of period	$ (430)	$ (219)	$ (9,081)	$ (862)	$ (437)	$ (16,356)
Change in fair value included in other income (expense), net	(227)	(111)	(4,063)	205	107	3,212
Fair value as of end of period	$ (657)	$ (330)	$ (13,144)	$ (657)	$ (330)	$ (13,144)

	Three Months Ended June 30, 2025		Six Months Ended June 30, 2025	
($ in thousands)	October 2024 RDO Warrants	November 2024 RDO Warrants	October 2024 RDO Warrants	November 2024 RDO Warrants
Fair value as of beginning of period	$ (2,147)	$ (1,080)	$ (12,437)	$ (6,432)
Change in fair value included in other income (expense), net	(664)	(331)	9,626	5,021
Fair value as of end of period	$ (2,811)	$ (1,411)	$ (2,811)	$ (1,411)

Private Placement Warrants Liability

The Private Placement Warrants were valued using a Black-Scholes valuation model as of June 30, 2026 and December 31, 2025. For the comparable prior-year interim period, the Private Placement Warrants were valued using a Monte Carlo simulation model. In determining the fair value of the Private Placement Warrants liability, the Company utilized significant assumptions for expected volatility and expected term and data inputs including the current Common Stock price, risk-free rate, and expected dividend yield (see Note 7).

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The following table presents a summary of the changes in the fair value of the Private Placement Warrants liability:

	Private Placement Warrants			
	Three Months Ended June 30,		Six Months Ended June 30,	
($ in thousands)	2026	2025	2026	2025
Fair value as of beginning of period	$ —	$ (93)	$ (15)	$ (385)
Change in fair value included in other income (expense), net	—	(43)	15	249
Fair value as of end of period	$ —	$ (136)	$ —	$ (136)

Loan Agreement Warrants Liability

In determining the fair value of the Loan Agreement Warrants liability (as defined in Note 7), the Company used the Black-Scholes valuation model to estimate fair value utilizing significant assumptions for expected volatility and expected term and data inputs including the current Common Stock price, risk-free rate, and expected dividend yield (see Note 7).

The following table presents a summary of the changes in the fair value of the Loan Agreement Warrants liability:

	Loan Agreement Warrants	
($ in thousands)	Three Months Ended June 30, 2026	Six Months Ended June 30, 2026
Fair value as of beginning of period	$ (1,106)	$ (1,722)
Change in fair value included in other income (expense), net	(414)	202
Fair value as of end of period	(1,520)	(1,520)

Loan Agreement Conversion Derivative Liability

In determining the fair value of the Loan Agreement conversion derivative liability (as defined in Note 7), the Company used the Black-Scholes valuation model to estimate fair value utilizing significant assumptions for expected volatility and expected term and data inputs including the current Common Stock price, risk-free rate, and expected dividend yield (see Note 7).

The following table presents a summary of the changes in the fair value of the Loan Agreement conversion derivative liability:

	Loan Agreement Conversion Derivative Liability	
($ in thousands)	Three Months Ended June 30, 2026	Six Months Ended June 30, 2026
Fair value as of beginning of period	$ (869)	$ (850)
Change in fair value included in other income (expense), net	(338)	(357)
Fair value as of end of period	(1,207)	(1,207)

4. Inventory

As of June 30, 2026, the Company capitalized costs of $18.2 million associated with the manufacturing of Symvess as a result of regulatory approval and the Company's determination that subsequent commercialization and future economic benefit from the sales of Symvess was probable.

During the three and six months ended June 30, 2026, the Company recorded $0.7 million and $2.3 million of inventory reserve expense in cost of goods sold to reduce certain inventory to its estimated net realizable value. The reserve reflects management's assessment of forecasted demand, expected product shelf life, and other commercialization-related factors associated with the commercial launch of Symvess.

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Inventory is stated at the lower of cost or net realizable value and consisted of the following:

($ in thousands)	June 30, 2026	December 31, 2025
Raw materials	$ 4,445	$ 5,823
Work in progress	—	6,541
Finished goods	13,732	10,122
Total inventory	18,177	22,486
Less: inventory reserve	(11,192)	(8,897)
Inventory, net	$ 6,985	$ 13,589

5. Revenue Interest Purchase Agreement

Revenue Interest Purchase Agreement

On May 12, 2023, Humacyte, Inc. and Global entered into a Revenue Interest Purchase Agreement (the "Purchase Agreement") with two purchasers, both affiliates of Oberland Capital Management LLC (the "Purchasers"), and another affiliate of Oberland Capital Management LLC ("Oberland"), as agent for the Purchasers (the "Agent"), to obtain financing with respect to the further development and commercialization of the Company's ATEV, to repay the Company's then-existing credit facility with Silicon Valley Bank ("SVB"), and for other general corporate purposes. Pursuant to the Purchase Agreement, the Purchasers purchased certain revenue interests (the "Revenue Interests") from Global in exchange for an aggregate investment amount of up to $150.0 million to be paid in multiple tranches. The Company received an initial payment of $40.0 million at inception, less certain transaction expenses, which was used to repay in full the Company's then-existing obligations under the former loan agreement with SVB. In March 2024, the Company drew a subsequent installment of $20.0 million, and elected not to draw the additional $40.0 million that later became available under the Purchase Agreement. On September 17, 2025, the Company and Humacyte Global, Inc. entered into an amendment to the Purchase Agreement, which modified certain terms of the agreement and the Company made a partial call payment of $50.0 million to the Purchasers.

Under the Purchase Agreement, the Revenue Interests entitled the Purchasers to receive a royalty initially equal to 7.5% of global net sales of the Company's products (subject to a lower rate for net sales by specified licensees outside the United States), payable quarterly (the "Revenue Interest Payments"). The Company guaranteed the payment in full of the obligations under the Purchase Agreement. The Company's obligations under the parent company guaranty and Global's obligations under the Purchase Agreement and the Revenue Interests were secured by a perfected security interest on substantially all of the Company's and its subsidiaries' assets.

The Purchase Agreement was considered a sale of future revenues and was accounted for as long-term debt recorded at amortized cost. The Company initially recorded a revenue interest liability net of a debt discount comprised of $2.1 million of issuance and transaction costs, $0.1 million allocated to the option agreement liability discussed below, and $2.4 million related to the embedded derivative discussed below. The Company recognized interest expense associated with this liability.

The Company recorded $2.2 million and $4.3 million in interest expense related to the Purchase Agreement for the three and six months ended June 30, 2025, respectively. Revenue Interest Payments made as a result of the Company's net product sales reduced the revenue interest liability. Revenue Interest Payments for the three and six months ended June 30, 2025 were immaterial.

On December 15, 2025, the Company entered into a payoff letter with the Purchasers and the Agent pursuant to which the Purchase Agreement and the Option Agreement were terminated in their entirety. As consideration for the termination of these agreements and the satisfaction of all obligations thereunder, the Company paid $38.0 million in cash and issued 5,725,190 shares of the Company's Common Stock. The shares were measured at their fair value of $7.5 million based on the closing market price of Common Stock on the settlement date. The cash payment was funded with proceeds from a senior secured term loan facility with Avenue Venture Opportunities Fund II, L.P. (see Note 6, Debt). The extinguishment was accounted for as a

debt extinguishment under ASC 470-50. Upon termination, all liens and security interests previously granted to the Purchasers and the Agent were released and the Company was relieved of any further obligations to the Purchasers.

Embedded Derivative Liability

The put option under the Purchase Agreement, exercisable by the Purchasers upon certain contingent events (the "Put Option"), was determined to be an embedded derivative requiring bifurcation and separately accounted for as a single compound derivative instrument, or the Contingent derivative liability. At May 12, 2023, the Company recorded the initial fair value of the Contingent derivative liability of $2.4 million as a debt discount. On March 11, 2024, upon the issuance of the second installment of the Purchase Agreement of $20.0 million, the Company estimated the fair value of the embedded derivative and recorded a $1.6 million increase in fair value as a debt discount. The debt discount was amortized to interest expense. In connection with the termination of the Purchase Agreement in December 2025, the embedded derivative was extinguished and derecognized.

Option Agreement

In connection with the Purchase Agreement, the Company also entered into an option agreement with TPC Investments III LP and TPC Investment Solutions LP (the "Option Agreement"), which gave TPC Investments III LP and TPC Investment Solutions LP (the "Holders") the right to purchase, in the aggregate, up to $10.0 million worth of shares of Common Stock (the "Option") at a purchase price per share equal to the greater of $7.50, or the 15 day volume-weighted average price as of the exercise date, exercisable in cash only at any time prior to the earlier of (i) December 31, 2026 and (ii) the closing date of a corporate reorganization. The Holders also received certain registration rights relating to the shares underlying the Option pursuant to the Option Agreement. The Holders purchased 1,950,000 shares of Common Stock in the Company's public underwritten offering that closed on March 5, 2024. The Option granted to the Holders represented a freestanding instrument separate from the Purchasers' commitments outlined in the Purchase Agreement. The Option Agreement did not qualify for the equity contract scope exception under ASC 815-40 and the Company recorded the Option as a liability ("Option Agreement liability") on the condensed consolidated balance sheets at an initial fair value of $55 thousand, and subsequent changes in the fair value were recognized in the condensed consolidated statements of operations and comprehensive (loss) income at each reporting date. In connection with the termination of the Purchase Agreement in December 2025, the Option Agreement was terminated and no right to purchase Common Stock remains outstanding.

6. Debt

On December 15, 2025, the Company entered into a Loan and Security Agreement (the "Loan Agreement") with Avenue Venture Opportunities Fund II, L.P. and its affiliates (the "Lenders"), as administrative agent and collateral agent, providing for a senior secured term loan facility (the "Term Loan Facility") of up to $77.5 million in the aggregate that matures on December 1, 2029. At closing, the Company drew $40.0 million under the first tranche of the Term Loan Facility, the proceeds of which were used primarily to repay the outstanding liabilities under the Purchase Agreement, as discussed in Note 5. Additional tranches of up to $12.5 million and $25.0 million may be made available in the future, at the discretion of the Lenders, upon the satisfaction of specified revenue, regulatory approval, and liquidity conditions. The Company is not obligated to draw any additional amounts.

Borrowings under the Term Loan Facility bear interest at a rate equal to the greater of 11.50% or the Wall Street Journal Prime Rate plus 4.50%. Interest-only payments are due monthly beginning in January 2026. As of December 31, 2025, the carrying value of the Term Loan Facility approximated its fair value. The Company entered into the Term Loan Facility in mid-December 2025, and its stated interest rate of 11.50% was consistent with market terms for similar debt instruments as of year end.

The Company is not required to make principal payments until December 1, 2027, or December 1, 2028 if the second tranche is funded. Beginning on that date, principal will be repaid in equal monthly installments through the maturity date.

The Term Loan Facility includes a contractual final payment fee of $2.4 million due at maturity, which is recognized as

additional interest cost and is accreted to the Term Loan balance using the effective interest method over the contractual term of the Term Loan. Accretion of the final payment fee, together with amortization of debt discounts and debt issuance costs, is included in interest expense.

The Term Loan Facility is secured by substantially all of the assets of the Company and certain of its subsidiaries and is subject to customary affirmative and negative covenants.

In connection with the entry into the Term Loan Facility, the Company issued the Lenders warrants to purchase up to $5.0 million in Common Stock. In addition, the Lenders have the right, subject to certain conditions, to convert up to $2.5 million of outstanding principal into shares of Common Stock. See Note 7 for further details.

As of June 30, 2026, the Term Loan Facility is classified as long-term debt on the condensed consolidated balance sheets and is recorded at amortized cost, net of unamortized debt discounts and issuance costs. The debt discounts were recorded upon issuance as a result of the initial recognition of (i) Lender warrants classified as a liability and (ii) a bifurcated conversion feature classified as a derivative liability, each discussed in Note 7.

Debt issuance costs and debt discounts are amortized to interest expense over the contractual term of the Term Loan Facility using the effective interest method. Changes in the fair value of the Lender warrants and the derivative liability are recognized in earnings in accordance with the accounting described in Note 7 and are not components of interest expense.

The carrying amount of the Term Loan Facility was as follows:

	June 30, 2026		December 31, 2025	
($ in thousands)	Principal	Carrying Amount[a]	Principal	Carrying Amount[a]
Term Loan Facility due 2029[b]	$ 40,000	$ 40,301	$ 40,000	$ 40,000
Less: unamortized debt issuance costs		(1,065)		(1,220)
Less: unamortized debt discounts		(2,912)		(3,336)
		$ 36,324		$ 35,444

[a] Principal payable in 24 consecutive monthly installments of $1.7 million beginning December 1, 2027, or December 1, 2028 if the second tranche is funded, with the final payment fee of $2.4 million due at maturity.
[b] Interest payable monthly beginning on January 1, 2026 under the Term Loan Facility.

As of June 30, 2026, the contractual maturities of long-term debt were as follows:

($ in thousands)	Maturities
2026	$ —
2027	1,667
2028	20,000
2029[a]	20,696
Total	$ 42,363

[a] Includes a contractual final payment of $2.4 million due at maturity.

7. Stockholders' Equity and Warrants

Public Offerings

On March 25, 2025, the Company entered into an underwriting agreement with TD Securities (USA) LLC, Barclays Capital Inc. and BTIG, LLC, as representatives of the several underwriters named therein, relating to the issuance and sale in an underwritten offering (the "2025 Public Offering") of 25,000,000 shares of Common Stock, at a price to the public of $2.00 per share (the "2025 Firm Shares"). The Company also granted the underwriters a 30-day option to purchase up to an additional 3,750,000 shares of Common Stock at the same price as the 2025 Firm Shares, which the underwriters did not exercise. The net

proceeds to the Company from the 2025 Public Offering were approximately $46.7 million after deducting underwriting discounts and commissions and offering expenses. The 2025 Public Offering closed on March 27, 2025.

On June 10, 2026, the Company entered into an underwriting agreement with Barclays Capital Inc., BTIG, LLC and Titan Partners Group LLC, a division of American Capital Partners, LLC, as representatives of the several underwriters named therein, relating to the 2026 Public Offering. In the 2026 Public Offering, the Company sold the 2026 Firm Shares, consisting of 47,619,048 shares of Common Stock, at a price to the public of $1.05 per share. The Company also granted the underwriters a 30-day option to purchase up to an additional 7,142,857 shares of Common Stock at the same price as the 2026 Firm Shares, which the underwriters exercised on June 15, 2026. The net proceeds to the Company from the 2026 Public Offering, including the sale of the 2026 Option Shares, were approximately $53.8 million after deducting underwriting discounts and commissions and offering expenses. The sale of the 2026 Firm Shares closed on June 12, 2026 and the sale of the 2026 Option Shares closed on June 16, 2026.

Equity Line Financing

On September 24, 2024, the Company entered into the Common Stock Purchase Agreement with Lincoln Park for an equity line financing, which provides that, subject to the terms and conditions set forth therein, the Company has the sole right, but not the obligation, to sell to Lincoln Park shares of Common Stock having an aggregate value of up to $50.0 million over a 24-month period. The Company controls the timing and amount of any sales of Purchase Shares to Lincoln Park pursuant to the Common Stock Purchase Agreement in its sole discretion. In consideration for entering into the Common Stock Purchase Agreement, the Company issued 115,705 shares of Common Stock (the "Commitment Shares") to Lincoln Park. The Company did not receive any cash proceeds from the issuance of the Commitment Shares. The fair value of the Common Stock Purchase Agreement was measured on the issuance date based on the fair value of the Commitment Shares, which was the consideration given to Lincoln Park in exchange for entering into the agreement. The fair value of the Commitment Shares on the issuance date was determined to be $0.7 million based on the closing price of the Common Stock on September 24, 2024, which was $6.12 per share. The Company recognized the fair value of the Commitment Shares as a non-current asset as a component of other long-term assets on the condensed consolidated balance sheets. The Common Stock Purchase Agreement is subsequently remeasured at each reporting date with changes in fair value recorded within Change in fair value of derivatives in the condensed consolidated statements of operations and comprehensive (loss) income. Through June 30, 2026, the Company has sold 500,000 shares to Lincoln Park for aggregate gross proceeds of $2.5 million and as of June 30, 2026, the Company had $47.5 million in remaining availability for sales of Common Stock under the Common Stock Purchase Agreement. There were no purchases under the Common Stock Purchase Agreement during the three and six months ended June 30, 2026.

Registered Direct Offerings

On October 4, 2024, the Company entered into a securities purchase agreement with an institutional investor pursuant to which the investor purchased 5,681,820 shares of Common Stock and warrants to purchase up to 5,681,820 shares of Common Stock (the "October 2024 RDO Warrants") in a registered direct offering (the "October 2024 Registered Direct Offering").

On November 13, 2024, the Company entered into a securities purchase agreement with an institutional investor pursuant to which the investor purchased 2,808,988 shares of Common Stock and warrants to purchase up to 2,808,988 shares of Common Stock (the "November 2024 RDO Warrants") in a registered direct offering (the "November 2024 Registered Direct Offering").

On October 6, 2025, the Company entered into a securities purchase agreement with an institutional investor pursuant to which the investor purchased 28,436,018 shares of Common Stock and the October 2025 RDO Warrants to purchase up to 28,436,018 shares of Common Stock in the October 2025 Registered Direct Offering (the "October 2025 Registered Direct Offering"). The purchase price for one share of Common Stock and one October 2025 RDO Warrant was $2.11. The net proceeds to the Company from the October 2025 Registered Direct Offering were approximately $56.5 million after deducting placement agent's fees and offering expenses of approximately $3.5 million. The October 2025 Registered Direct Offering closed on October 8, 2025.

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On March 19, 2026, the Company entered into certain securities purchase agreements pursuant to which the Company agreed to issue and sell to certain investors in a registered direct offering 25,000,000 shares of Common Stock at a price of $0.80 per share (the "March 2026 Registered Direct Offering"). The net proceeds to the Company from the March 2026 Registered Direct Offering were approximately $18.3 million, after deducting the placement agent's fees and offering expenses of approximately $0.4 million. The March 2026 Registered Direct Offering closed on March 20, 2026.

ATM Facilities

On September 1, 2022, the Company entered into a sales agreement with Jefferies LLC, acting as sales agent (the "Jefferies ATM Sales Agreement") for the sale from time to time of up to $80.0 million of shares of Common Stock (the "Jefferies ATM Facility"). During the six months ended June 30, 2025, the Company sold an aggregate of 1,299,870 shares of Common Stock under the ATM Facility at an average price of $2.86 per share for net proceeds of approximately $3.6 million after deducting sales commissions of approximately $0.1 million.

On November 21, 2025, the Company delivered a notice to Jefferies LLC terminating the Jefferies ATM Sales Agreement, which termination became effective 10 days thereafter.

On December 16, 2025, the Company entered into a sales agreement with TD Securities (USA) LLC ("TD Cowen"), acting as sales agent, or the TD Cowen ATM Facility, pursuant to which the Company may sell shares of Common Stock from time to time up to an aggregate offering price of $60.0 million. During the six months ended June 30, 2026, the Company sold an aggregate of 4,018,497 shares of Common Stock under the TD Cowen ATM Facility at an average price of $1.16 per share for net proceeds of approximately $4.6 million. All such sales occurred during the first quarter of 2026.

On March 19, 2026, the Company delivered written notice to TD Cowen, that it was suspending and terminating the prospectus, dated December 16, 2025 (the "ATM Prospectus"), relating to the sale of up to $60 million of Common Stock, that may be issued and sold pursuant to the Sales Agreement, dated as of December 16, 2025, by and between the Company and TD Cowen (the "Sales Agreement"). The Company will not make any further sales of its Common Stock pursuant to the Sales Agreement unless and until a new prospectus, prospectus supplement or registration statement is filed. Other than the suspension and termination of the ATM Prospectus, the Sales Agreement remains in full force and effect.

Common Stock

In June 2026, the Company amended its Second Amended and Restated Certificate of Incorporation to increase the authorized number of shares of Common Stock from 350,000,000 to 550,000,000.

The holders of Common Stock are entitled to receive dividends from time to time as may be declared by the Company's board of directors. Through June 30, 2026, no dividends have been declared. The Loan Agreement limits the Company's ability to pay cash dividends to the holders of Common Stock.

The holders of Common Stock are entitled to one vote for each share held with respect to all matters voted on by the common stockholders of the Company.

In the event of a reorganization of the Company, after payment to any preferred stockholders of their liquidation preferences, holders of Common Stock are entitled to share ratably in all remaining assets of the Company.

In December 2025, the Company issued 5,725,190 shares of Common Stock to affiliates of Oberland Capital Management LLC as partial consideration for the termination and extinguishment of the Purchase Agreement, as defined in Note 5. The shares were issued together with cash consideration and the payment of certain legal fees and satisfied all amounts owing under the Purchase Agreement, including the termination of the related Option Agreement. The shares were issued directly to the Purchase Agreement counterparties without a placement agent or underwriter, and the Company did not receive any cash proceeds from the issuance of Common Stock. The accounting for the Purchase Agreement extinguishment is described in Note 5.

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On March 19, 2026, the Company entered into certain securities purchase agreements pursuant to which the Company agreed to issue and sell to certain investors in the March 2026 Registered Direct Offering 25,000,000 shares of Common Stock at a price of $0.80 per share. The net proceeds to the Company from the March 2026 Registered Direct Offering were approximately $18.3 million, after deducting the placement agent's fees and offering expenses of approximately $0.4 million. The March 2026 Registered Direct Offering closed on March 20, 2026.

On June 10, 2026, the Company entered into an underwriting agreement with Barclays Capital Inc., BTIG, LLC and Titan Partners Group LLC, a division of American Capital Partners, LLC, as representatives of the several underwriters named therein, relating to the 2026 Public Offering. In the 2026 Public Offering, the Company sold the 2026 Firm Shares, consisting of 47,619,048 shares of Common Stock, at a price to the public of $1.05 per share. The Company also granted the underwriters a 30-day option to purchase up to an additional 7,142,857 shares of Common Stock at the same price as the 2026 Firm Shares, which the underwriters exercised on June 15, 2026. The net proceeds to the Company from the 2026 Public Offering, including the sale of the 2026 Option Shares, were approximately $53.8 million after deducting underwriting discounts and commissions and offering expenses. The sale of the 2026 Firm Shares closed on June 12, 2026 and the sale of the 2026 Option Shares closed on June 16, 2026.

The Company's senior secured Term Loan Facility includes an equity-settled conversion feature that permits the Lenders, at their option, to convert up to $2.5 million of outstanding principal into shares of Common Stock (the "Conversion Shares") at a conversion price per share (the "Conversion Price") equal to 130% of the Warrant Price (as defined below). As a result of the March 2026 Registered Direct Offering, which had a Common Stock offering price of $0.80 per share, the Warrant Price was reset to $0.80 per share; accordingly, the Conversion Price is $1.04 per share. No shares had been issued pursuant to this conversion feature as of June 30, 2026. See Note 6 for additional information.

The Company had reserved Common Stock for future issuances as follows:

	June 30, 2026	December 31, 2025
Common Stock reserved for Contingent Earnout Shares	15,000,000	15,000,000
Common Stock reserved for the Common Stock Purchase Agreement	12,000,000	12,000,000
Common Stock reserved for TD Cowen ATM Facility[(a)]	—	54,000,000
Common stock reserved for Conversion Shares under the Loan Agreement[(b)]	2,403,846	1,800,000
Exercise of options outstanding under stock plans	17,402,528	18,004,681
Vesting of RSUs outstanding under stock plans	1,053,911	1,985,390
Options available for issuance under stock plans	9,098,070	4,581,530
Warrants to purchase Common Stock	44,806,803	42,569,928
	101,765,158	149,941,529

[(a)] On March 19, 2026, the Company delivered written notice to TD Cowen, that it was suspending and terminating the ATM Prospectus, relating to the sale of up to $60 million of Common Stock, that may be issued and sold pursuant to the Sales Agreement.

[(b)] As of June 30, 2026, Conversion Shares issuable are calculated as $2.5 million divided by the Conversion Price of $1.04 per share.

Preferred Stock

The Company's Second Amended and Restated Certificate of Incorporation provides the Company's board of directors with the authority to issue preferred stock, par value $0.0001 per share, in one or more series and to establish from time to time the number of shares to be included in each such series, by adopting a resolution and filing a certificate of designations. Voting powers, designations, preferences and relative, participating, optional, special and other rights shall be stated and expressed in such resolutions and the certificate of designations. There were 20,000,000 shares designated as preferred stock and none were outstanding as of June 30, 2026 and December 31, 2025.

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Warrants

The Company had the following Common Stock warrants outstanding:

	June 30, 2026	December 31, 2025
Legacy Humacyte Common Stock Warrants	411,006	411,006
Private Placement Warrants	177,500	177,500
Public Warrants	5,000,000	5,000,000
October 2024 RDO Warrants	2,840,910	2,840,910
November 2024 RDO Warrants	1,404,494	1,404,494
October 2025 RDO Warrants	28,436,018	28,436,018
Loan Agreement Warrants[(a)(b)]	4,265,625	2,666,015
Other warrants	240,000	—
Total Common Stock Warrants	42,775,553	40,935,943

[(a)] As of December 31, 2025, shares issuable are calculated as $3.4 million (base exercise value) divided by $1.28 per share.

[(b)] As of June 30, 2026, shares issuable are calculated as $3.4 million (base exercise value) divided by $0.80 per share. The exercise price reset from $1.28 in March 2026 in connection with the March 2026 Registered Direct Offering.

On April 5, 2025, October 2024 RDO Warrants to purchase 2,840,910 shares of Common Stock expired. On May 14, 2025, November 2024 RDO Warrants to purchase 1,404,494 shares of Common Stock expired. On May 27, 2026, the Company issued warrants to purchase 240,000 shares of Common Stock pursuant to a service agreement. Other than as disclosed above, there were no issuances, exercises or expirations of warrants during the six months ended June 30, 2026 or 2025.

Legacy Humacyte Common Stock Warrants

In connection with the Company's former loan agreement with SVB, in 2021 the Company granted warrants to the lenders to purchase up to 411,006 shares of Common Stock at an exercise price of $10.28 per share (such warrants, "Legacy Humacyte Common Stock Warrants"). The Company recognized the fair value of the warrants within stockholders' equity using a Black-Scholes valuation model, as the settlement of the warrants is indexed to the Common Stock.

Public and Private Placement Warrants

In connection with the Merger, which closed on August 26, 2021, the Company assumed 5,000,000 publicly-traded warrants ("Public Warrants") and 177,500 private placement warrants issued to AHAC Sponsor LLC (the "Sponsor"), Oppenheimer & Co. Inc. and Northland Securities, Inc., in connection with AHAC's initial public offering ("Private Placement Warrants" and, together with the Public Warrants, the "Common Stock Warrants"). The Common Stock Warrants entitle the holder to purchase one share of Common Stock at an exercise price of $11.50 per share. The Company evaluated the Common Stock Warrants to determine the appropriate financial statement classification upon the consummation of the Merger. The Common Stock Warrants are not mandatorily redeemable and are considered to be freestanding instruments as they are separately exercisable into Common Stock. As such, the Common Stock Warrants were not classified as liabilities under FASB ASC Topic 480, Distinguishing Liabilities from Equity. The Company then evaluated the Common Stock Warrants under FASB ASC Topic 815, Derivatives and Hedging.

Private Placement Warrants

The Private Placement Warrants are non-redeemable for cash so long as they are held by the initial purchasers or their permitted transferees. If the Private Placement Warrants are held by someone other than the initial purchasers or their permitted transferees, the Private Placement Warrants are redeemable by the Company and exercisable by such holders on the same basis as the Public Warrants.

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The agreement governing the Common Stock Warrants includes a provision, the application of which could result in a different settlement value for the Private Placement Warrants depending on their holder. Because the holder of an instrument is not an input into the pricing of a fixed-for-fixed option on the Common Stock, the Private Placement Warrants are not considered to be "indexed to the Company's own stock" and therefore are not classified in stockholders' equity. As the Private Placement Warrants met the definition of a derivative, the Company recorded these warrants as liabilities on the condensed consolidated balance sheet at fair value, with subsequent changes in their respective fair values recognized in the condensed consolidated statements of operations and comprehensive (loss) income at each reporting date.

The Private Placement Warrants were initially recognized as a liability on the Closing Date, at a fair value of $0.6 million. The Private Placement Warrant liability was remeasured to a fair value of $0 as of June 30, 2026, compared with $15 thousand as of December 31, 2025. Changes in the fair value of the Private Placement Warrants liability resulted in no gain or loss and a non-cash loss of $43 thousand for the three months ended June 30, 2026 and 2025, respectively, and non-cash gains of $15 thousand and $0.2 million for the six months ended June 30, 2026 and 2025, respectively. The remeasurement of the Private Placement Warrant liability is classified within Change in fair value of derivatives in the condensed consolidated statements of operations and comprehensive (loss) income.

The Private Placement Warrants were valued using the following assumptions under the Black-Scholes model:

	June 30, 2026	December 31, 2025
Market price of public stock	$ 0.78	$ 0.96
Exercise price	$ 11.50	$ 11.50
Expected term (years)	0.16	0.65
Expected share price volatility	144.8%	178.6%
Risk-free interest rate	3.74%	3.54%
Estimated dividend yield	0%	0%

See Note 3 for a summary of the changes in the fair value of the Private Placement Warrants during the three and six months ended June 30, 2026 and 2025.

Public Warrants

The Public Warrants are publicly traded and are exercisable for cash unless certain conditions occur, such as the failure to have an effective registration statement related to the shares issuable upon exercise or redemption by the Company under certain conditions, at which time the Public Warrants may be eligible for a cashless exercise. The Public Warrants may only be exercised for a whole number of shares and will expire five years after the completion of the Merger.

The Public Warrants are considered to be "indexed to the Company's own stock." The agreement provides that in the event of a tender or exchange offer made to and accepted by holders of more than 50% of the outstanding shares of Common Stock, all holders of the Common Stock Warrants (both the Public Warrants and the Private Placement Warrants) would be entitled to receive cash for all of their Common Stock Warrants. As the Company has a single class of Common Stock, a qualifying cash tender offer of more than 50% of the shares of Common Stock will always result in a change in control and would not preclude permanent equity classification of the Public Warrants. Based on this evaluation, the Company concluded that the Public Warrants met the criteria to be classified within stockholders' equity. The Public Warrants were initially recognized as equity on the Closing Date at a fair value of $2.80 per share.

Registered Direct Offering Warrants

Collectively, the October 2024 RDO Warrants, the November 2024 RDO Warrants, and the October 2025 RDO Warrants are referred to as the "Registered Direct Offering Warrants."

The Registered Direct Offering Warrants holders are entitled to participate in dividends and other distributions of assets to the same extent as if the holders held the number of shares of Common Stock issuable upon exercising the Registered Direct

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Offering Warrants. Therefore, the Registered Direct Offering Warrants are considered participating securities and are included in the computation of net income per share pursuant to the two-class method. In applying the two-class method, during periods of net income, earnings are allocated to both Common Stock and participating securities based on their respective weighted-average shares outstanding for the period. During periods of net loss, no effect is given to participating securities since they do not share in the losses of the Company.

The Company evaluated the Registered Direct Offering Warrants to determine the appropriate financial statement classification upon issuance.

The agreements governing the Registered Direct Offering Warrants include a provision, the application of which could result in a different settlement value for the Registered Direct Offering Warrants. The Registered Direct Offering Warrants cannot be exercised if after the exercise the warrant holder would own more than 4.99% of the Company's outstanding Common Stock ("Beneficial Ownership Limitation"). The holder may elect to increase the Beneficial Ownership Limitation to 9.99%. The Beneficial Ownership Limitation constitutes an exercise contingency in that it limits or defers the exercise of some of the Registered Direct Offering Warrants if the limitation would otherwise be reached, depending on the number of shares of Common Stock that are outstanding. The exercise contingency is not based on either an observable market or an observable index, so it does not preclude the Registered Direct Offering Warrants from being considered indexed to the Company's own stock.

There is a provision related to fundamental transactions (defined in the Registered Direct Offering Warrants to include various merger and change in control transactions) that results in liability classification. As the Registered Direct Offering Warrants meet the definition of a derivative, the Company recorded these Registered Direct Offering Warrants as liabilities on the condensed consolidated balance sheets at fair value, with subsequent changes in their respective fair values recognized within Change in fair value of derivatives in the condensed consolidated statements of operations and comprehensive (loss) income at each reporting date.

The October 2024 RDO Warrants were immediately exercisable. October 2024 RDO Warrants to purchase 2,840,910 shares of Common Stock had an exercise price of $5.28 per share, and expired 180 days from the date of issuance unexercised. The remaining October 2024 RDO Warrants to purchase 2,840,910 shares of Common Stock have an exercise price of $5.28 per share, and will expire 1640 days from the date of issuance.

The October 2024 RDO Warrants were initially recognized as a liability at a fair value of $15.2 million on the issuance date. The October 2024 RDO Warrants liability was remeasured to a fair value of $0.6 million as of June 30, 2026, compared with a fair value of $0.8 million as of December 31, 2025. Changes in the fair value of the October 2024 RDO Warrants liability resulted in non-cash losses of $0.2 million and $0.7 million for the three months ended June 30, 2026 and 2025, respectively, and non-cash gains of $0.2 million and $9.6 million for the six months ended June 30, 2026 and 2025, respectively.

The assumptions and data inputs used in the valuations are described below:

	June 30, 2026	December 31, 2025
Market price of public stock	$ 0.78	$ 0.96
Exercise price	$ 5.28	$ 5.28
Expected term (years)	2.77	3.27
Expected share price volatility	109.6%	98.4%
Risk-free interest rate	4.06%	3.51%
Estimated dividend yield	0%	0%

The November 2024 RDO Warrants were immediately exercisable. November 2024 RDO Warrants to purchase 1,404,494 shares of Common Stock had an exercise price of $5.34 per share, and expired 180 days from the date of issuance unexercised. The remaining November 2024 RDO Warrants to purchase 1,404,494 shares of Common Stock have an exercise price of $5.34 per share, and will expire 1640 days from the date of issuance.

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The November 2024 RDO Warrants were initially recognized as a liability at a fair value of $6.1 million on the issuance date. The November 2024 RDO Warrants liability was remeasured to a fair value of $0.3 million as of June 30, 2026, compared with a fair value of $0.4 million as of December 31, 2025. Changes in the fair value of the November 2024 RDO Warrants liability resulted in non-cash losses of $0.1 million and $0.3 million for the three months ended June 30, 2026 and 2025, respectively, and non-cash gains of $0.1 million and $5.0 million for the six months ended June 30, 2026 and 2025, respectively.

The assumptions and data inputs used in the valuations are described below:

	June 30, 2026	December 31, 2025
Market price of public stock	$ 0.78	$ 0.96
Exercise price	$ 5.34	$ 5.34
Expected term (years)	2.88	3.37
Expected share price volatility	108.4%	98.2%
Risk-free interest rate	4.07%	3.52%
Estimated dividend yield	0%	0%

The October 2025 RDO Warrants are exercisable 180 days following the date of issuance, and will expire on April 7, 2031. The October 2025 RDO Warrants have an exercise price of $2.11 per share.

The October 2025 RDO Warrants were initially recognized as a liability at a fair value of $34.3 million on the issuance date. The October 2025 RDO Warrants liability was remeasured to a fair value of $13.1 million as of June 30, 2026, compared with a fair value of $16.4 million as of December 31, 2025. The change in the fair value of the October 2025 RDO Warrants liability resulted in a non-cash loss of $4.1 million and a non-cash gain of $3.2 million for the three and six months ended June 30, 2026, respectively.

The assumptions and data inputs used in the valuations are described below:

	June 30, 2026	December 31, 2025
Market price of public stock	$ 0.78	$ 0.96
Exercise price	$ 2.11	$ 2.11
Expected term (years)	4.77	5.27
Expected share price volatility	98.0%	89.3%
Risk-free interest rate	4.19%	3.76%
Estimated dividend yield	0%	0%

See Note 3 for a summary of changes in the fair value of the RDO Warrants during the three and six months ended June 30, 2026 and 2025.

Loan Agreement Warrants

In connection with, and as consideration of the commitments under, the Term Loan Facility, the Company issued warrants to purchase shares of Common Stock to the Lenders (the "Loan Agreement Warrants"). See Note 6 for more details.

The Loan Agreement Warrants are a freestanding instrument that entitles the holders to purchase shares of Common Stock for an aggregate exercise price of up to $5.0 million. The warrants consist of a base exercise value of $3.4 million that was exercisable upon issuance and an additional exercise value of $1.6 million that becomes exercisable only upon the funding of Tranche 3 under the Term Loan Facility. The exercise price per share (the "Warrant Price") was equal to the lower of (i) $1.28 per share or (ii) the price of any qualifying equity offering completed prior to March 31, 2026, subject to specified exclusions. As a result of the March 2026 Registered Direct Offering, which had a Common Stock offering price of $0.80 per share, the Warrant Price was reset to $0.80 per share. No further adjustments to the Warrant Price are permitted based on equity offerings

consummated after March 31, 2026; however, the Warrant Price remains subject to customary anti-dilution adjustments under the warrant agreement (including for stock splits, stock dividends and similar events).

The Loan Agreement Warrants were immediately exercisable upon issuance and expire on December 15, 2030. The Loan Agreement Warrants provide for cashless exercise, including automatic cashless exercise upon expiration if the fair market value of Common Stock exceeds the exercise price at expiration. The Loan Agreement Warrants also include a beneficial ownership limitation and a change-of-control provision that provides for automatic exercise in connection with a change of control, as defined in the warrant agreement.

The Company evaluated the Loan Agreement Warrants to determine the appropriate financial statement classification in accordance with ASC 480 and ASC 815. Although the Loan Agreement Warrants are a freestanding financial instrument, the Company concluded that it does not meet all requirements for equity classification under ASC 815, including the requirement that the contract be indexed to the Company's own stock, because certain provisions affect the settlement amount in a manner that is not consistent with the inputs to the valuation of a fixed-for-fixed option on the Company's equity shares. Accordingly, the Loan Agreement Warrant is classified as a warrant liability (the "Loan Agreement Warrants liability") with an offset recorded as a debt discount within the Term Loan carrying amount, to be amortized to interest expense over the loan term using the effective interest method.

The Company estimated the fair value of the Loan Agreement Warrants liability using a Black-Scholes option-pricing model that required significant assumptions on expected volatility and expected term, and certain data inputs, including the Company's common stock price, risk-free interest rate, and expected dividend yield. The estimated fair value of the warrants liability recognized at issuance was $2.2 million. The valuation reflected the base exercise value of the warrants and excluded the additional exercise value associated with Tranche 3, as the funding of Tranche 3 was contingent and not considered probable at issuance. The Loan Agreement Warrants liability was remeasured to a fair value of $1.5 million as of June 30, 2026, compared with a fair value of $1.7 million as of December 31, 2025. The change in the fair value of the Loan Agreement Warrants liability resulted in a non-cash loss of $0.4 million and a non-cash gain of $0.2 million for the three and six months ended June 30, 2026, respectively.

The assumptions and data inputs used in the valuations are described below:

	June 30, 2026	December 31, 2025
Market price of public stock	$ 0.78	$ 0.96
Exercise price	$ 0.80	$ 1.28
Expected term (years)	4.46	4.96
Expected share price volatility	99.8%	91.0%
Risk-free interest rate	4.18%	3.73%
Estimated dividend yield	0%	0%

See Note 3 for a summary of the changes in the fair value of the Loan Agreement Warrants during the three and six months ended June 30, 2026.

Contingent Earnout Liability

Following the Closing, former holders of Legacy Humacyte common and preferred shares are eligible to receive up to 15,000,000 additional shares of Common Stock issuable upon the satisfaction of specified post-closing market-based conditions (the "Contingent Earnout Shares") in the aggregate, in two equal tranches of 7,500,000 shares of Common Stock per tranche. The first and second tranches are issuable if the closing volume weighted average price ("VWAP") per share of Common Stock

quoted on Nasdaq (or the exchange on which the shares of Common Stock are then listed), is greater or equal to $15.00 and $20.00, respectively, over any 20 trading days within any 30 consecutive trading day period.

Upon the Closing, the contingent obligation to issue Contingent Earnout Shares was accounted for as a liability ("Contingent Earnout Liability") because the triggering events that determine the number of Contingent Earnout Shares required to be issued include events that are not solely indexed to the Common Stock. The estimated fair value of the total Contingent Earnout Shares at the Closing on August 26, 2021 was $159.4 million based on a Monte Carlo simulation valuation model using a distribution of potential outcomes on a monthly basis over a 10-year period using the most reliable information available.

The Contingent Earnout Liability was remeasured to a fair value of $9.5 million as of June 30, 2026, compared with a fair value of $11.5 million as of December 31, 2025. Changes in the fair value of the liability resulted in non-cash losses of $2.7 million and $5.5 million for the three months ended June 30, 2026 and 2025, respectively, and non-cash gains of $2.0 million and $44.3 million for the six months ended June 30, 2026 and 2025, respectively. The remeasurement of the Contingent Earnout Liability is classified within Change in fair value of Contingent Earnout Liability in the condensed consolidated statements of operations and comprehensive (loss) income.

The assumptions and data inputs used in the valuations are described below:

	June 30, 2026	December 31, 2025
Current stock price	$ 0.78	$ 0.96
Expected share price volatility	93.6%	88.7%
Risk-free interest rate	4.44%	4.18%
Estimated dividend yield	0%	0%
Expected term (years)	10.00	10.00

See Note 3 for a summary of the changes in the fair value of the Contingent Earnout Liability during the three and six months ended June 30, 2026 and 2025.

Loan Agreement Conversion Derivative Liability

In connection with the Term Loan Facility and pursuant to the equity-settled conversion feature described above, the Lenders may jointly elect, at any time and from time to time after the closing date and prior to the payment in full of the loans, to convert up to $2.5 million of the principal amount of the term loans outstanding into Conversion Shares at the Conversion Price. The Conversion Price is equal to 130% of the Warrant Price, subject to the beneficial ownership limitation and other customary conditions.

The Term Loan principal converted is deemed paid and satisfied in full and ceases to accrue interest from and after the conversion date. Any interest accrued and unpaid through the conversion date remains payable in cash unless the parties elect otherwise in writing. The conversion feature is subject to certain limitations, including a beneficial ownership cap (generally 9.985% as provided in the Loan Agreement) and limitations intended to comply with applicable stock exchange rules. The Loan Agreement also includes provisions related to rounding of fractional shares and cash or principal adjustments in lieu of fractional shares.

The Company initially recognized the bifurcated conversion feature as a derivative liability, or the Loan Agreement conversion derivative liability, at fair value on the issuance date with an offset recorded as a debt discount within the Term Loan carrying amount, to be amortized to interest expense over the loan term using the effective interest method. The estimated fair value of the Loan Agreement conversion derivative liability at closing date was $1.1 million based on the Black-Scholes valuation model.

The Loan Agreement conversion derivative liability was remeasured to a fair value of $1.2 million as of June 30, 2026, compared with a fair value of $0.8 million as of December 31, 2025. The change in the fair value of the liability resulted in non-cash losses of $0.3 million and $0.4 million for the three and six months ended June 30, 2026, respectively.

The assumptions and data inputs used in the valuations are described below:

	June 30, 2026	December 31, 2025
Market price of public stock	$ 0.78	$ 0.96
Exercise price	$ 1.04	$ 1.66
Expected term (years)	3.42	3.92
Expected share price volatility	104.9%	96.5%
Risk-free interest rate	4.16%	3.64%
Estimated dividend yield	0%	0%

See Note 3 for a summary of the changes in the fair value of the Loan Agreement Conversion Derivative Liability during the three and six months ended June 30, 2026.

8. Stock-based Compensation

At Closing, the 2021 Long-Term Incentive Plan, (the "2021 Plan"), and the 2021 Employee Stock Purchase Plan, (the "ESPP"), became effective. Under the 2021 Plan, the Company can grant non-statutory stock options, incentive stock options, stock appreciation rights, restricted stock, restricted stock units, unrestricted stock, performance awards and other forms of equity-based awards. Under the ESPP, when and if implemented, eligible employees will be permitted to purchase shares of Common Stock at the lower of 85% of the closing trading price per share of Common Stock on the first day of the offering period or 85% of the closing trading price per share on the exercise date, which will occur on the last day of each offering period.

The 2021 Plan and ESPP provide that on January 1 of each year, the share reserve under the 2021 Plan and the ESPP will automatically increase in an amount equal to the lesser of (a) 5% and 1%, respectively, of the number of shares of Common Stock outstanding on December 31 of the preceding year and (b) a number of shares of Common Stock determined by the Company's board of directors. The Company's board of directors determined that there would be no automatic increase in the number of shares reserved under the 2021 Plan on January 1, 2023. The 2021 Plan share reserve automatically increased on January 1, 2024 by 5,183,686 shares, which was equivalent to 5% of the number of shares of Common Stock outstanding on December 31, 2023. The 2021 Plan share reserve automatically increased on January 1, 2025 by 6,501,375 shares, which was equivalent to 5% of the number of shares of Common Stock outstanding on December 31, 2024. The 2021 Plan share reserve increased on January 1, 2026 by 4,000,000 shares, as determined by the Company's board of directors, which was less than 5% of the number of shares of Common Stock outstanding on December 31, 2025. Since the inception of the ESPP, the Company's board of directors has determined that there would be no automatic increase in the number of shares reserved under the ESPP. Effective April 17, 2025, the Company's board of directors reduced the number of shares reserved under the ESPP to zero shares of Common Stock. As of June 30, 2026, 9,098,070 shares of Common Stock were available under the 2021 Plan.

Prior to the Closing, Legacy Humacyte had two equity incentive plans, the 2015 Omnibus Incentive Plan, as amended, (the "2015 Plan"), and the 2005 Stock Option Plan (the "2005 Plan"). As a result of the Merger, after the Closing no further awards were granted under either the 2015 Plan or the 2005 Plan. All awards previously granted and outstanding as of the effective date of the Merger were adjusted to reflect the impact of the Merger as set forth in the Merger Agreement, but otherwise retained their original terms. The shares underlying any award granted under the 2021 Plan or the 2015 Plan that are forfeited, cancelled or reacquired by the Company prior to vesting, that expire or that are paid out in cash rather than shares will become available for grant and issuance under the 2021 Plan. As of June 30, 2026, 15,357,915 and 3,098,527 shares of Common Stock remain reserved for outstanding awards issued under the 2021 Plan and the 2015 Plan, respectively, and there were no shares of Common Stock outstanding under the 2005 Plan. The Company has sufficient authorized and unissued shares to issue Common Stock in satisfaction of any outstanding awards and any awards available for grant under the 2021 Plan.

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Stock Options

The Company's stock option plans allow for the grant of awards that the Company believes aid in aligning the interests of award recipients with those of its stockholders. The Company's board of directors or compensation committee determines the specific terms of equity incentive grants, including the exercise price per share and vesting period for option awards. Option awards are granted with an exercise price equal to the fair market value of the Common Stock at the date of grant.

The Company grants options that include either a service-based or performance-based vesting condition, or both, and a 10-year contractual term. The service-based vesting condition for the plans is generally satisfied over 0 to 48 months from the date of grant. The performance-based vesting conditions are satisfied upon the attainment of certain product development milestones.

Option awards under the Company's option plans generally provide for accelerated vesting of the unvested portions of any option award in the event of an involuntary termination, as such term is defined in the relevant stock option agreement, of a grantee's employment during the period that commences 30 days prior to the effective date of a corporate transaction and that ends 12 months following the effective date of such transaction. Additionally, the Company's board of directors may, in its sole discretion, accelerate the vesting of any unvested stock options in the event of a corporate transaction.

The Company estimated the fair value of the stock options on the date of grant using the following assumptions in the Black-Scholes option-pricing model:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2026	2025	2026	2025
Estimated dividend yield	0%	0%	0%	0%
Expected share price volatility (weighted average and range, if applicable)	95.2% (93.3% to 100.4%)	94.8% (94.7% to 95.0%)	95.9% (93.3% to 100.4%)	92.8% (92.2% to 95.0%)
Risk-free interest rate (weighted average and range, if applicable)	4.23% (4.08% to 4.28%)	4.14% (4.06% to 4.26%)	4.17% (3.89% to 4.28%)	4.38% (4.04% to 4.45%)
Expected term of options (in years)	6.25	6.25	6.25	6.25

- *Fair Value of Common Stock.* The fair value of the Common Stock has been determined based on the closing price of the shares on Nasdaq.
- *Expected Term.* The expected term represents the period that stock options are expected to be outstanding. The Company calculated the expected term using the simplified method for options, which is available where there is insufficient historical data about exercise patterns and post-vesting employment termination behavior. The simplified method is based on the vesting period and the contractual term for each grant, or for each vesting-tranche for awards with graded vesting. The mid-point between the vesting date and the maximum contractual expiration date is used as the expected term under this method. For awards with multiple vesting-tranches, the times from grant until the mid-points for each of the tranches may be averaged to provide an overall expected term.
- *Expected Volatility.* The expected volatility was determined based on a blended approach using the historical share volatility of the Common Stock and that of several publicly traded peer companies over a period of time equal to the expected term of the options, as the Company has a limited trading history. For purposes of identifying these peer companies, the Company considered the industry, stage of development, size and financial leverage of potential comparable companies.
- *Risk-Free Interest Rate.* The risk-free interest rate was based on the yields of U.S. Treasury zero-coupon securities with maturities similar in duration to the expected term of the options.
- *Expected Dividend Yield.* The Company has not paid dividends on its Common Stock nor does it expect to pay dividends in the foreseeable future. Accordingly, the Company has estimated the dividend yield to be zero.

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A summary of option activity under the Company's stock option plans during the six months ended June 30, 2026 is presented below:

	Number of Shares	Weighted Average Exercise Price Per Share	Weighted Average Remaining Contractual Term (years)	Aggregate Intrinsic Value (in thousands)
Options outstanding at December 31, 2025	18,004,681	$ 4.25	7.7	$ —
Granted	1,233,100	1.02		
Exercised	(24,398)	1.23		
Forfeited	(1,810,855)	3.53		
Options outstanding at June 30, 2026	17,402,528	$ 4.10	7.3	$ 21
Vested and exercisable, June 30, 2026	9,425,011	$ 5.06	6.2	$ —
Vested and expected to vest, June 30, 2026	17,402,528	$ 4.10	7.3	$ 21

The weighted-average grant-date fair value per share of options granted during the six months ended June 30, 2026 was $0.82.

Restricted Stock Units ("RSUs")

The Company grants RSUs to certain members of executive management and certain non-executive employees under the 2021 Plan. Each RSU represents a contingent right to receive one share of Common Stock upon vesting.

The RSUs vest based on continued service, with specific vesting schedules varying by award. Unvested RSUs generally are forfeited upon termination of service, subject to the terms of the applicable award agreement. The Company issues shares with respect to RSUs only upon vesting.

The following table summarizes the Company's RSU activity for the six months ended June 30, 2026:

	Number of Shares	Weighted Average Grant Date Fair Value
Grants outstanding at December 31, 2025	1,985,390	$ 1.23
Granted	75,000	0.64
Vested	(992,694)	1.23
Forfeited	(13,785)	1.23
Grants outstanding at June 30, 2026	1,053,911	$ 1.19

Stock-based Compensation Expense

Stock-based compensation expense is included in research and development expense and general and administrative expense in the condensed consolidated statements of operations and comprehensive (loss) income based on where the associated employee compensation costs are generally classified.

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The following table shows a summary of stock-based compensation expense related to stock options, warrants issued pursuant to a service agreement, and RSUs included in the condensed consolidated statements of operations and comprehensive (loss) income:

($ in thousands)	Three Months Ended June 30, 2026	Three Months Ended June 30, 2025	Six Months Ended June 30, 2026	Six Months Ended June 30, 2025
Stock options	$ 2,130	$ 2,434	$ 4,689	$ 4,921
Restricted stock units	460	—	1,071	—
Warrants	18	—	18	—
Total stock-based compensation expense	$ 2,608	$ 2,434	$ 5,778	$ 4,921
Research and development	978	900	2,206	2,049
General and administrative	1,630	1,534	3,572	2,872
Total stock-based compensation expense	$ 2,608	$ 2,434	$ 5,778	$ 4,921

No stock-based compensation was capitalized to inventory during the three and six months ended June 30, 2026. As of June 30, 2026, total unrecognized stock-based compensation cost related to stock options was $17.7 million, which is expected to be recognized over a weighted-average period of 2.1 years. As of June 30, 2026, total unrecognized stock-based compensation cost related to unvested RSUs was approximately $1.1 million, which is expected to be recognized over a weighted-average period of approximately 0.9 years.

9. Income Taxes

The Company's tax provision for interim periods is determined using an estimate of its annual effective tax rate, adjusted for discrete items, if any, that arise during the period. Each quarter, the Company updates its estimate of the annual effective tax rate and, if the estimated annual effective tax rate changes, the Company makes a cumulative adjustment in such period. No such adjustment was made as of June 30, 2026. The Company's effective federal and state tax rate for the three and six months ended June 30, 2026 and 2025 was 0%, primarily as a result of accumulating net operating losses for the fiscal year to date offset by the increase in the valuation allowance against the related deferred tax asset.

The Company did not record any income tax expense or benefit during the three and six months ended June 30, 2026 and 2025. The Company has a net operating loss and has provided a valuation allowance against net deferred tax assets due to uncertainties regarding the Company's ability to realize these assets. All losses before income taxes arose in the United States.

10. Commitments and Contingencies

Patent License Agreements

Duke University

In March 2006, the Company entered into a license agreement with Duke University ("Duke"), which was subsequently amended in 2011, 2014, 2015, 2018, 2019 and 2022 (as amended, the "Duke License Agreement"). Under the Duke License Agreement, Duke granted the Company a worldwide, exclusive, sublicensable license to certain patents related to decellularized tissue engineering, referred to as the patent rights, as well as a non-exclusive license to use and practice certain know-how related to the patent rights. The relevant licensed patent on decellularization of tissue expired in 2021. The Company has agreed to use commercially reasonable efforts to develop, register, market and sell products utilizing the patent rights, referred to as the licensed products. Any services provided to a third party utilizing licensed products are referred to as licensed services. The Company has also agreed to meet certain benchmarks in its development efforts, including as to development events, clinical trials, regulatory submissions and marketing approval, within specified timeframes. Under the Duke License Agreement, Duke retains the right to use the patent rights for its own educational and research purposes, and to provide the patent rights to other non-profit, governmental or higher-learning institutions for non-commercial purposes without paying royalties or other fees.

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In connection with the Company's entry into the Duke License Agreement, the Company granted equity consideration to Duke in the form of 52,693 shares of Common Stock. Under the Duke License Agreement, the Company also agreed to pay Duke:

- a low single-digit percentage royalty on eligible sales of licensed products and licensed services, plus a low double-digit percentage of any sublicensing revenue;
- an annual minimum royalty beginning in 2012, which increases in the calendar year immediately following the first commercial sale of licensed products or licensed services (whichever occurs first); and
- an additional amount in license fees, as certain milestones are met.

The Duke License Agreement remains effective until the later of (i) the last of the patent rights expires or (ii) four years after the Company's first commercial sale, unless terminated earlier. Either party may terminate the agreement for fraud, willful misconduct or illegal conduct, or uncured material breach. Duke may terminate the agreement if the Company becomes insolvent. Duke may also terminate the license, convert the license into a non-exclusive license or seek assignment of any sublicense if the Company fails to reach diligence milestones within the applicable time period. If the Company abandons any claim, patent or patent application, its rights under the license with respect to such patent rights will be terminated in the territory in which the Company abandons such rights. The Company may terminate the license agreement unilaterally upon three months' prior notice to Duke. The Company agrees to indemnify Duke against certain third-party claims.

In December 2023, the Company filed a BLA with the FDA for urgent arterial repair following extremity vascular trauma when synthetic graft is not indicated, and autologous vein use is not feasible. Based on the achievement of this milestone under the Duke License Agreement, the Company paid a $0.5 million license fee to Duke during the first quarter of 2024.

In December 2024, the FDA approved the Company's BLA for urgent arterial repair following extremity vascular trauma when autologous vein use is not feasible. Based on the achievement of this milestone under the Duke License Agreement, the Company paid $0.5 million of license fee to Duke during the third quarter of 2025. Other payments to Duke under the Duke License Agreement were immaterial during the periods presented.

Yale University

In August 2019, the Company entered into a license agreement with Yale University ("Yale") that granted the Company a worldwide license to the patents related to the biovascular pancreas ("BVP") product candidate (the "BVP License Agreement"). The license granted under the BVP License Agreement is exclusive in the field of engineered vascular tissues that deliver pancreatic islet cells to patients, except that it is subject to Yale's non-exclusive right, on behalf of itself and all other non-profit academic institutions, to use the licensed products for research, teaching, and other non-commercial purposes. The Company has agreed to pay to Yale an annual maintenance fee, increasing between the first and fourth anniversaries of the BVP License Agreement up to a maximum of less than $0.1 million per year for this license.

In August 2019, the Company entered into a license agreement with Yale that granted the Company a worldwide license to the patents related to tubular prostheses (the "Tubular Prosthesis License Agreement"). The license granted under the Tubular Prosthesis License Agreement is exclusive in the field of engineered urinary conduits, engineered tracheas/airways, and engineered esophagi, except that it is subject to Yale's non-exclusive right, on behalf of itself and all other non-profit academic institutions, to use the licensed products for research, teaching, and other non-commercial purposes.

The Company has agreed to use reasonable commercial efforts to develop and commercialize the licensed patents and any licensed products and methods, and to use reasonable efforts to make the licensed products available to patients in low and low-middle income countries. The Company is also obligated to provide Yale periodically an updated and revised copy of its plan for each license, which must indicate progress of its development and commercialization. The Company may also sublicense the Company's rights without Yale's prior written consent, but such sublicense is subject to certain conditions.

In connection with its entry into the Tubular Prosthesis License Agreement, the Company paid Yale upfront cash fees. The Company has also agreed to pay Yale:

- annual maintenance fees, increasing annually until the fifth anniversary for the BVP License Agreement and until the fourth anniversary for the Tubular Prostheses License Agreement up to a maximum of less than $0.1 million per year;
- milestone payments upon achievement of certain regulatory and commercial milestones of $0.2 million and $0.6 million, respectively;
- a low single-digit percentage royalty on worldwide net sales, subject to reductions for third-party license fees; and
- a low double-digit percentage of sublicensing income.

If the Company or any of its future sublicensees bring a patent challenge against Yale or assists another party in bringing a patent challenge against Yale, the license fees described above will be subject to certain increases and penalties.

The BVP License Agreement and Tubular Prosthesis License Agreement expire on a country-by-country basis on the date on which the last of the patents in such country expires, lapses or is declared invalid. Yale may terminate the BVP License Agreement and Tubular Prosthesis License Agreement if the Company fails to (i) provide written diligence reports, (ii) provide commercially reasonable diligence plans, (iii) implement the plans in accordance with the obligations under the agreements, or (iv) reach certain research and development milestones within the scheduled timeframe set forth in the agreements; however, any such termination right would be limited in scope to the country to which such failure relates. Yale may also terminate for the Company's non-payment, uncured material breach, failure to obtain adequate insurance, bringing or assisting in bringing of a patent challenge against Yale, abandonment of the research and development of the Company's products or insolvency. The Company may terminate the BVP License Agreement and Tubular Prosthesis License Agreement (i) on 90 days' prior written notice to Yale, provided the Company is not in breach of the license agreements and has made all required payments to Yale thereunder and (ii) on written notice to Yale following an uncured material breach. With respect to the BVP License Agreement, the Company's rights under the agreement will also terminate automatically with respect to a patent application or patent within the licensed patents in a specified country if, upon receipt of written notice from Yale, the Company does not agree to pay the patent filing, prosecution and maintenance fees incurred by Yale for such patent applications or patents in the specified country. Under certain circumstances, Yale may, at its option, convert the exclusive licenses to non-exclusive licenses if the Company declines to initiate certain infringement or interference proceedings with respect to the licensed patents. The Company has agreed to indemnify Yale against certain third-party claims. Payments to Yale under the BVP License Agreement and Tubular Prosthesis License Agreement were immaterial during the periods presented.

JDRF Agreement

On April 1, 2023, the Company entered into an Industry Discovery and Development Partnership Agreement with Breakthrough T1D (f/k/a JDRF International) ("JDRF," and such agreement, the "JDRF Agreement") to further develop and perform preclinical testing of the BVP, a product candidate designed to deliver insulin-producing islets using the ATEV as a means of treating patients with type 1 diabetes. According to the terms of the JDRF Agreement, JDRF will provide funding up to $0.8 million ("JDRF Award") based on the achievement of certain research and development milestones related to the Company's BVP. The JDRF Agreement refers to the total cumulative payments the Company has received from JDRF as of any point in time as the "Actual Award."

As of June 30, 2026 and December 31, 2025, the Company had received an aggregate Actual Award of $0.5 million under the JDRF Agreement upon execution of the agreement and achievement of various research and development milestones.

In accordance with the JDRF Agreement, the Company has agreed to pay JDRF:

- a one-time royalty in an amount equal to four times the Actual Award, to be paid in three equal installments following the first commercial sale of any product containing the Company's technology identified in the JDRF Agreement;
- an additional royalty equal to the Actual Award at a specified payment date after net sales exceed $250 million; and

- in the event of a license, sale or transfer of the Company's rights to the product's technology identified in the JDRF Agreement or a change of control transaction, a payment equal to 10% of any license or purchase price payments received by the Company up to an amount equal to four times the Actual Award (the "Royalty Cap"), less any previous royalty payments paid towards the Royalty Cap (the "JDRF Agreement Disposition Payment"). The JDRF Agreement Disposition Payment was determined to meet the definition of an embedded derivative requiring bifurcation and is measured at fair value each reporting period with changes in fair value recognized as other income (expense) in the condensed consolidated statements of operations and comprehensive (loss) income, classified in Change in fair value of derivatives.

The JDRF Agreement expires on the date on which the Company has paid all of the royalty payments described above. Either party may terminate the JDRF Agreement for cause by providing the other party with written notice and allowing the other party 30 days to cure such breach. JDRF may terminate the JDRF Agreement without cause by providing 90 days' notice to the Company at any time after April 1, 2024. Royalties based on previously received milestone payments would remain due after a termination by JDRF without cause. As the royalties are contractually required to be paid upon achieving these milestones even after the termination of the JDRF Agreement, the Company determined that the JDRF Actual Award payments are to be classified as a liability in the condensed consolidated balance sheets. The JDRF liability related to the Actual Award payments is reported at amortized cost and is included in Other long-term liabilities in the condensed consolidated balance sheets. As of June 30, 2026 and December 31, 2025, the carrying value of the JDRF liability was $0.7 million and $0.5 million, respectively. During the three and six months ended June 30, 2026, the Company recorded $0.1 million of interest expense related to the JDRF liability. During the three and six months ended June 30, 2025, interest expense related to the JDRF liability was insignificant.

Workforce Reduction

In April 2025, the Company implemented a cost reduction action to reduce its workforce by 30 employees, cease recruitment of additional planned new hires, and reduce other operating expenses. The Company undertook these cost reductions to improve cash runway and to better align the Company's organizational structure with its top business objectives. Employee severance costs associated with this action were $0.7 million, which were expensed during the second quarter of 2025. Employee severance costs included $0.6 million recognized in research and development expenses and $0.1 million recognized in general and administrative expenses on the Company's condensed consolidated statements of operations and comprehensive (loss) income. There are no further costs associated with this cost reduction action expected to be incurred in the future.

In May 2026, the Company implemented a plan to reduce its workforce by approximately 45 employees, defer additional planned new hires, and reduce other operating expenses. The Company estimates that it will incur aggregate charges of approximately $0.8 million representing one-time cash expenditures for severance and other employee termination benefits, of which the majority has been incurred during the second quarter of 2026.

Legal Matters

From time to time, the Company may be involved in various lawsuits, claims, assessments and proceedings, including securities, commercial, intellectual property, product liability, contractual, governmental, employment or other matters that arise in the normal course of business. The Company accrues a liability for a contingency when management believes information available prior to the issuance of the consolidated financial statements indicates it is probable a loss has been incurred as of the date of the consolidated financial statements and the amount of loss can be reasonably estimated. The Company adjusts its accruals to reflect the impact of negotiations, settlements, rulings, advice of legal counsel and other information and events pertaining to a particular case. Legal costs are expensed as incurred.

Humacyte, Inc.
Notes to Condensed Consolidated Financial Statements
(unaudited)

On November 18, 2024, James A. Cutshall filed a putative class action lawsuit, captioned *Cutshall v. Humacyte, Inc., et al*., No. 1:24-cv-00954 (the "Securities Litigation"), against the Company and certain of the Company's officers in the United States District Court for the Middle District of North Carolina. The complaint in the Securities Litigation (the "Initial Complaint") asserts claims under Sections 10(b) and 20(a) of the Exchange Act on behalf of a putative class of persons and entities that purchased or otherwise acquired securities of the Company between May 10, 2024 and October 17, 2024, based on allegations that the defendants made or were responsible for false or misleading statements and omissions related to the BLA for the vascular trauma indication and to alleged deficiencies at the Company's Durham, North Carolina manufacturing facility. The Initial Complaint seeks a variety of relief, including unspecified compensatory damages, attorneys fees and costs. On January 31, 2025, the court appointed co-lead plaintiffs. On May 22, 2025, the co-lead plaintiffs filed the amended complaint in the Securities Litigation. The amended complaint expands the putative class to include persons and entities that purchased or otherwise acquired securities of the Company between August 14, 2023 and March 25, 2025. It alleges that the defendants made or were responsible for false or misleading statements and omissions related to the safety of Symvess, alleged deficiencies at the Company's Durham, North Carolina manufacturing facility, and the Company's financial condition and liquidity. On July 25, 2025, defendants moved to dismiss the amended complaint in its entirety and with prejudice. On March 31, 2026, the court partially granted and partially denied the defendants' motion to dismiss in the Securities Litigation. Claims about financial condition, liquidity and manufacturing facility deficiencies were dismissed without prejudice, while claims related to product safety misrepresentations and omissions were sustained at the pleading stage. Discovery on the remaining claims commenced on June 4, 2026.

Between January 7 and June 9, 2025, several putative stockholders of the Company filed verified derivative actions against the Company (the "Derivative Actions"), all of which assert substantively similar claims and allegations. On January 7 and 10, 2025, putative stockholders of the Company filed two verified stockholder derivative actions in the United States District Court for the Middle District of North Carolina, captioned *Silva v. Sebelius, et al*., No. 1:25-cv-00005 (the "*Silva* Action") and *Misko v. Niklason, et al*., No. 1:25-cv-00028 (the "*Misko* Action"). Each of these derivative actions was brought on behalf of the Company against certain of its current or former directors and officers, as well as Ayabudge LLC. The complaints in each action assert claims for violations of Section 14(a) of the Exchange Act, breach of fiduciary duty, unjust enrichment, abuse of control, gross mismanagement, and waste of corporate assets, based on a variety of allegations including claims that the defendants are responsible for any damages sustained by the Company as a result of the Securities Litigation. The *Misko* Action also includes a claim for contribution against certain defendants under Sections 10(b) and 21(d) of the Exchange Act for any liability the Company may sustain as a result of the Securities Litigation. On February 18, 2025, the court issued an order consolidating the *Silva* Action and the *Misko* Action (collectively, the "Consolidated Derivative Action").

On December 19, 2024, the Company received a demand letter (the "2024 Demand Letter") from a purported stockholder of the Company, demanding that the Board assert claims against certain of the Company's current or former officers and directors for breach of fiduciary duty, gross mismanagement, corporate waste, unjust enrichment, aiding and abetting, violations of Section 14(a) of the Exchange Act, and insider trading, based on a variety of allegations including claims that the Company's current and former officers and directors are responsible for any damages sustained by the Company as a result of the Securities Litigation. On January 24, 2025, the Board appointed a demand evaluation committee to evaluate the claims made in the 2024 Demand Letter and report back to the full Board. On February 19, 2025, the purported stockholder who sent the 2024 Demand Letter filed a stockholder derivative action in the United States District Court for the Middle District of North Carolina, captioned *Olson v. Niklason*, et al., No. 1:25-cv-00123 (the "*Olson* Action"), alleging that the Company had refused his demand.

On May 19, 2025, the Company received a demand letter (the "2025 Demand Letter") from a purported stockholder of the Company, making demands and stating allegations substantially similar to those in the 2024 Demand Letter. The letter was referred to the demand evaluation committee for evaluation, and the demand evaluation committee recommended that the board of directors of the Company defer action on the demand until after the resolution of the pending motion to dismiss in the securities class action. The board of directors accepted the demand evaluation committee's recommendation, and counsel for the demand evaluation committee informed the shareholder of the board of directors' determination to defer action on the demand by letter dated September 24, 2025. On June 26, 2026, the purported stockholder who sent the 2025 Demand Letter filed a stockholder derivative action in the United States District Court for the Middle District of North Carolina, captioned *Heller v. Bamforth*, et al., No. 1:25-cv-00604 (the "*Heller* Action"), alleging that the Company had refused his demand.

On June 9, 2025, a putative stockholder of the Company filed a verified stockholder derivative action in the United States District Court for the District of Delaware, captioned *Dusci v. Bamforth, et al*., No. 1:25-cv-00722 (the "*Dusci* Action"). The complaint in the *Dusci* Action asserts substantive claims and allegations that are substantively similar to those asserted in the Consolidated Derivative Action and *Olson* Action.

The parties have filed joint motions to stay all four Derivative Actions. Those motions have been granted in the *Olson, Heller*, and *Dusci* actions; the motion is pending in the Consolidated Derivative Action.

The Company disputes all claims asserted against it in the Securities Litigation and disputes that the plaintiffs in the Consolidated Derivative Action, the *Dusci* Action and *Olson* Action have standing to assert claims derivatively on its behalf. The Company is currently unable to estimate the potential loss or range of loss, if any, associated with these lawsuits, which could be material. Although there can be no assurance of the outcome of these lawsuits, based on information known by management, the Company has not accrued any material liabilities related to these lawsuits in the consolidated financial statements, as a negative outcome is deemed not probable, nor is any range of loss estimable as of June 30, 2026. Since the outcome of these matters cannot be predicted with certainty, any associated costs could have a material adverse effect on the Company's consolidated results of operations, financial position or cash flows.

Indemnification

To the extent permitted under Delaware law, the Company has agreed to indemnify its directors and officers for certain events or occurrences while the director or officer is, or was serving, at the Company's request in such capacity. The indemnification period covers all pertinent events and occurrences during the director's or officer's service. The maximum potential amount of future payments the Company could be required to make under these indemnification arrangements is not specified in such arrangements; however, the Company has director and officer insurance coverage that is intended to reduce its exposure and enable the Company to recover a portion of any potential future amounts the Company could be required to make. To date, the Company has not incurred any costs as a result of such obligations and has not accrued any liabilities related to such obligations in the condensed consolidated financial statements.

11. Related Party Transactions

Fresenius Medical Care investments and distribution agreement

In June 2018, the Company completed a $150 million financing transaction pursuant to which Fresenius Medical Care purchased shares of series D redeemable convertible preferred stock that at the Closing Date converted into 15,812,735 shares of Common Stock. In August 2021, Fresenius Medical Care invested $25 million as part of a private placement offering related to the Merger and received an additional 2.5 million shares of Common Stock.

In addition, the Company entered into a distribution agreement with Fresenius Medical Care in June 2018 (as amended by the First Amendment dated October 2, 2019, the Second Amendment dated February 16, 2021, and the Third Amendment dated April 21, 2026, the "Distribution Agreement"). Prior to the Third Amendment, the Distribution Agreement granted Fresenius Medical Care rights to develop and commercialize the Company's 6 millimeter acellular tissue engineered vessel-tyod (the "Distribution Product") outside the United States. Pursuant to the Third Amendment, the Company has the sole right to develop

and commercialize, and conduct all regulatory matters relating to the Distribution Product on a worldwide basis. In connection with the reversion of ex-U.S. rights, the Company pays Fresenius Medical Care low-single-digit royalties on net sales of the Distribution Product outside the United States, subject to a two-year royalty-free period following launch of the Distribution Product (as defined in the Distribution Agreement) in each applicable country. The Company continues to pay royalties on net sales of the Distribution Product in the United States at rates ranging from mid-single digits to low double digits, and Fresenius Medical Care remains obligated to support adoption of the Distribution Product as a standard of care in hemodialysis patients for which such use is supported by clinical results and health economic analyses.

As of June 30, 2026 and December 31, 2025, royalties payable to Fresenius Medical Care were $0.3 million and $0.2 million, respectively.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion and analysis of our financial condition and results of operations should be read in conjunction with our unaudited condensed consolidated financial statements and related notes appearing elsewhere in this Quarterly Report on Form 10-Q ("Quarterly Report") and with our audited financial statements and the notes thereto included in our Annual Report. In addition, you should read the "Risk Factors" and "Forward-Looking Statements" sections of this Quarterly Report and our Annual Report for a discussion of important factors that could cause actual results to differ materially from the results described in or implied by the forward-looking statements contained in the following discussion and analysis.

Unless the context indicates otherwise, references in this Quarterly Report to the "Company," "Humacyte," "we," "us," "our" and similar terms refer to Humacyte, Inc. and its consolidated subsidiaries (Humacyte Global, Inc. and Humacyte Europe Limited).

Overview

We are a commercial-stage biotechnology platform company developing universally implantable, bioengineered human tissues at commercial scale, and in the first quarter of 2025 commenced the United States commercial launch of our first FDA-approved product. We believe our regenerative medicine technology has the potential to overcome limitations in existing standards of care and address the lack of significant innovation in products that support tissue repair, reconstruction and replacement. We are leveraging our novel, scalable technology platform to develop proprietary bioengineered, acellular human tissues for use in the treatment of diseases and conditions across a range of anatomic locations in multiple therapeutic areas.

We are initially using our proprietary, scientific technology platform to engineer and manufacture ATEVs. On December 19, 2024, the FDA granted full approval for the ATEV under the brand name Symvess® for use in adults as a vascular conduit for extremity arterial injury when urgent revascularization is needed to avoid imminent limb loss, and autologous vein graft is not feasible. Our ATEVs are designed to be easily implanted into any patient without inducing a foreign body response or leading to immune rejection. We are developing a portfolio, or "cabinet," of ATEVs with varying diameters and lengths. The ATEV cabinet would initially target the vascular repair, reconstruction and replacement market, including use in vascular trauma, AV access for hemodialysis and PAD. We are also developing the ATEV for coronary artery bypass grafting ("CABG") and pediatric heart surgery. Over the longer term, we are developing our ATEV for the delivery of cellular therapies, including pancreatic islet cell transplantation to treat Type 1 diabetes (our BioVascular Pancreas or BVP). We will continue to explore the application of our technology across a broad range of markets and indications, including the development of urinary conduit, trachea, esophagus and other novel cell delivery systems.

For the ATEV, we believe there is substantial clinical demand for safe and effective vascular conduits to replace and repair blood vessels throughout the body. Vascular injuries resulting from trauma are common in civilian and military populations, frequently resulting in the loss of either life or limb. Existing treatment options in the vascular repair, reconstruction and replacement market include the use of autologous vessels and synthetic grafts, which we believe suffer from significant limitations. For example, the use of autologous veins to repair traumatic vascular injuries can lead to significant morbidity associated with the surgical wounds created for vein harvest and prolonged times to restore blood flow to injured limbs, leading to an increased risk of complications such as amputation and reperfusion injury. In addition, in many instances of vascular trauma the patient may not have adequate vein available, or the time between injury and treatment is too long to make autologous graft repair feasible. Synthetic grafts are often contraindicated in the setting of vascular trauma due to wound contamination that contributes to higher infection risk and can lead to prolonged hospitalization and limb loss. Given the competitive advantages our ATEVs are designed to have over existing vascular substitutes, we believe that ATEVs have the potential to become the standard of care and lead to improved patient outcomes and lower healthcare costs.

In addition to extremity vascular trauma, we and our collaborators are currently conducting Phase 3 and Phase 2 trials of our 6 millimeter ATEV in AV access for hemodialysis and PAD. We were granted Fast Track designation by the FDA for our 6 millimeter ATEV for use in AV access for hemodialysis in 2014. We also received the first Regenerative Medicine Advanced Therapy ("RMAT") designation from the FDA, for the creation of vascular access for performing hemodialysis, in March 2017. In May 2023, we were granted the RMAT designation for the ATEV for urgent arterial repair following extremity vascular

trauma, and in June 2024, we were granted the RMAT designation for the ATEV for patients with advanced PAD. In addition, in 2018 our ATEV product candidate was assigned a priority designation by the Secretary of Defense under Public Law 115-92, enacted to expedite the FDA's review of products that are intended to diagnose, treat or prevent serious or life-threatening conditions facing American military personnel.

In September 2023, we announced positive topline results from our V005 Phase 2/3 trial in vascular trauma, and in December 2023, we filed a BLA for urgent arterial repair following extremity vascular trauma when synthetic graft is not indicated, and autologous vein use is not feasible. In February 2024, the FDA accepted the BLA filing, granted priority review and set a Prescription Drug User Fee Act date of August 10, 2024. On August 9, 2024, the FDA informed us that it required additional time to complete its review of the BLA for the vascular trauma indication. On December 19, 2024, the FDA granted full approval for Symvess (acellular tissue engineered vessel-tyod) for use in adults as a vascular conduit for extremity arterial injury when urgent revascularization is needed to avoid imminent limb loss, and autologous vein graft is not feasible. In February 2025, the FDA completed its required review of commercial batch information for Symvess and authorized us to commence commercial shipments and we shipped our first commercial products in March 2025.

In July 2024, we announced positive topline results from our V007 Phase 3 trial of the ATEV for use in AV access, where the ATEV met the primary endpoints in the study. In June 2026, we announced positive interim results from our V012 Phase 3 trial in women, showing that the ATEV achieved superior catheter-free days compared to AV fistula, the primary endpoint in the study. We plan to submit a supplemental BLA for the ATEV to the FDA for an indication in AV access for hemodialysis in the second half of 2026.

On April 21, 2026, we entered into the Third Amendment to our distribution agreement with Fresenius Medical Care. Pursuant to the amendment, we have the sole right to develop and commercialize, and conduct all regulatory matters relating to, the Distribution Product (as defined in the distribution agreement, as amended) on a worldwide basis. In connection with the reversion of ex-U.S. rights to us, we will pay Fresenius Medical Care low-single-digit royalties on net sales of the Distribution Product outside the United States, subject to a two-year royalty-free period following launch of the Distribution Product in each applicable country. We will continue to pay royalties on net sales of the Distribution Product in the United States at rates ranging from mid-single digits to low double digits, and Fresenius Medical Care remains obligated to support adoption of the Distribution Product as a standard of care in hemodialysis patients for which such use is supported by clinical results and health economic analyses.

We have incurred operating losses and negative cash flows from operations in each year since our inception in 2004. As of June 30, 2026 and December 31, 2025, we had an accumulated deficit of $781.3 million and $726.8 million, respectively, and working capital of $77.8 million and $49.4 million, respectively. Our operating losses were approximately $55.9 million and $52.9 million for the six months ended June 30, 2026 and 2025, respectively.

Net cash flows used in operating activities were $47.2 million and $55.0 million during the six months ended June 30, 2026 and 2025, respectively. Substantially all of our operating losses resulted from costs incurred in connection with our research and development programs and from general and administrative costs associated with our operations. We expect to incur substantial operating losses and negative cash flows from operations for the foreseeable future as we continue to commercialize Symvess and advance our product candidates.

As of June 30, 2026, we had cash and cash equivalents of $79.9 million and restricted cash of $0.4 million.

We will not have sufficient liquidity to fund our operations beyond one year from the issuance of these interim financial statements if we are unable to generate sufficient cash flows from commercial sales on a timely basis and/or obtain additional capital. These factors raise substantial doubt about our ability to continue as a going concern. See Note 1, Organization and Description of Business, to our accompanying condensed consolidated financial statements included elsewhere in this Quarterly Report for additional information regarding this assessment.

Our need for additional capital will depend in part on the scope and costs of our development and commercial manufacturing activities and on the results of our ongoing commercial sales efforts. Since receiving FDA approval to

commercialize Symvess in the vascular trauma indication, we generated product revenue of $0.4 million and $0.9 million for the three and six months ended June 30, 2026, respectively, and $1.4 million for the twelve months ended December 31, 2025. Our ability to generate sufficient product revenue to finance our operations will depend on the successful commercialization of Symvess and the advancement of our product candidates. Until such time, if ever, we expect to finance our operations primarily through the use of existing cash and cash equivalents, private or public equity financings, debt financings, debt refinancings or restructurings, collaborations, strategic alliances, and marketing, distribution or licensing arrangements. Adequate capital may not be available to us when needed or on acceptable terms. If we are unable to raise capital, we plan to implement a program to delay, reduce, suspend or cease our planned capital expenditures, research and development programs or any future commercialization efforts, which would have a negative impact on our business, prospects, operating results and financial condition. See "Risk Factors" for additional information.

We expect to continue to incur significant expenses and to increase operating losses for at least the next several years. We anticipate that our expenses will increase substantially as we seek to:

- continue to generate revenue from sales of Symvess in the United States for the indication in vascular trauma and, if approved, via U.S. market launch for the indication in AV access for hemodialysis;
- obtain marketing approval for our 6 millimeter ATEV in additional indications involving vascular repair, reconstruction and replacement, including in AV access for hemodialysis;
- scale out our manufacturing facility to the extent required to satisfy potential market demand for Symvess in the U.S. and our product candidates, following receipt of any regulatory approval;
- continue our preclinical and clinical development efforts;
- maintain, expand and protect our intellectual property portfolio;
- add operational, financial and management information systems and personnel to support, among other things, our product development and commercialization efforts and operations; and
- continue operating as a public company, which includes higher costs associated with hiring additional personnel, director and officer insurance premiums, audit and legal fees and expenses for compliance with public company reporting requirements under the Exchange Act and rules implemented by the SEC and Nasdaq.

Recent Developments

On April 21, 2026, we entered into the Third Amendment to the distribution agreement with Fresenius Medical Care. Pursuant to the amendment, we have the sole right to develop and commercialize, and conduct all regulatory matters relating to, the Distribution Product (as defined in the distribution agreement, as amended) on a worldwide basis. In connection with the reversion of ex-U.S. rights to us, we will pay Fresenius Medical Care low-single-digit royalties on net sales of the Distribution Product outside the United States, subject to a two-year royalty-free period following launch of the Distribution Product in each applicable country. We will continue to pay royalties on net sales of the Distribution Product in the United States at rates ranging from mid-single digits to low double digits, and Fresenius Medical Care remains obligated to support adoption of the Distribution Product as a standard of care in hemodialysis patients for which such use is supported by clinical results and health economic analyses.

In May 2026, we implemented a plan to reduce our workforce by approximately 45 employees, defer additional planned new hires, and reduce other operating expenses. These reductions have been implemented thoughtfully, and we have retained key personnel, resources, and initiatives to meet our key corporate goals and milestones. We estimate that we will incur aggregate charges of approximately $0.8 million representing one-time cash expenditures for severance and other employee termination benefits, of which the majority has been incurred during the second quarter of 2026. We estimate net savings due to the workforce reductions and operating cost reductions, net of termination severance and benefits, totaling approximately $14.3 million.

On June 10, 2026, we entered into an underwriting agreement with Barclays Capital Inc., BTIG, LLC and Titan Partners Group LLC, a division of American Capital Partners, LLC, as representatives of the several underwriters named therein, relating to the 2026 Public Offering. In the 2026 Public Offering, we sold the 2026 Firm Shares, consisting of 47,619,048 shares of

Common Stock, at a price to the public of $1.05 per share. We also granted the underwriters a 30-day option to purchase up to an additional 7,142,857 shares of Common Stock at the same price as the 2026 Firm Shares, which the underwriters exercised on June 15, 2026. Our net proceeds from the 2026 Public Offering, including the sale of the 2026 Option Shares, were approximately $53.8 million after deducting underwriting discounts and commissions and offering expenses. The sale of the 2026 Firm Shares closed on June 12, 2026 and the sale of 2026 Option Shares closed on June 16, 2026.

Components of Results of Operations

Revenue

We generate product revenue from commercial sales of Symvess in the United States. Contract revenue consists of revenue related to a single contract with a customer to recover contract expenses. Contract revenue associated with each performance obligation in the contract is recognized as the research and development services are provided according to the actual costs incurred compared to the total costs expected to be incurred to satisfy the performance obligation.

Prior to the recent commercialization of the ATEVs in the vascular trauma indication, all of our revenue was derived from government and other grants. During the three and six months ended June 30, 2026, we generated $0.4 million and $0.9 million, respectively, in product revenue from sales of Symvess, compared with $0.1 million and $0.2 million, respectively, for the three and six months ended June 30, 2025. The remainder of our revenue has been derived from contracts. From inception through June 30, 2026, we have been awarded grants, including grants from the California Institute of Regenerative Medicine, the National Institutes of Health, and the Department of Defense, to support our development, production scaling and clinical trials of our product candidates.

We may generate revenue in the future from government and other grants, payments from future license or collaboration agreements and from product sales of our ATEVs in the vascular trauma indication and any of our product candidates that receive marketing approval. We expect that any revenue we generate will fluctuate from quarter to quarter. If we fail to complete the development of, or obtain marketing approval for, our product candidates in a timely manner, our ability to generate future revenue, and our results of operations and financial position, would be materially adversely affected.

Cost of goods sold

Cost of goods sold consists of manufacturing costs associated with the production of Symvess, including materials, direct labor and manufacturing-related overhead. Cost of goods sold also includes royalty expense related to product sales, overhead associated with unused production capacity, and inventory reserves recorded to adjust inventory to its estimated net realizable value. Prior to FDA approval of Symvess for the vascular trauma indication in December 2024, manufacturing and material costs incurred in connection with product development were expensed as research and development costs as incurred, as commercialization and future economic benefit were not yet considered probable. Beginning in 2025, following commercialization of Symvess, certain manufacturing-related payroll and overhead costs previously included within research and development expenses were capitalized to inventory and recognized in cost of goods sold as product is sold. During the three and six months ended June 30, 2026, we recorded an inventory reserve to adjust certain inventory balances to the estimated net realizable value, which is reflected within cost of goods sold in the condensed consolidated statements of operations and comprehensive (loss) income.

Research and Development Expenses

Prior to our recent shift in focus to the sale of Symvess for the vascular trauma indication, we have historically focused, and continue to focus a substantial portion of our resources on our research and development activities, including conducting preclinical studies and clinical trials, developing and refining our manufacturing process and activities related to regulatory filings for our product candidates. We recognize research and development expenses as they are incurred. Our research and development expenses consist primarily of:

- salaries and related overhead expenses for personnel in research and development functions, including stock-based compensation and benefits;

- fees paid to CROs and consultants, including in connection with our clinical trials, and other related clinical trial fees, such as for clinical site fees and investigator grants related to patient screening and treatment, conduct of clinical trials, laboratory work and statistical compilation and analysis;
- allocation of facility lease and maintenance costs;
- depreciation of leasehold improvements, laboratory equipment and computers;
- costs related to purchasing raw materials and producing our product candidates for clinical trials;
- costs related to compliance with regulatory requirements;
- costs related to our manufacturing development and expanded-capabilities initiatives; and
- license fees related to in-licensed technologies.

The majority of our research and development resources are currently focused on our Phase 2 and 3 clinical trials for our 6 millimeter ATEV, other work needed to obtain marketing approval for our 6 millimeter ATEV for use in AV access in hemodialysis, and preparation for a planned Phase 2a study of the 3.5 millimeter coronary tissue engineered vessel (CTEV) in coronary artery bypass grafting (CABG). We have incurred and expect to continue to incur significant expenses in connection with these and our other clinical development efforts, including expenses related to regulatory filings, trial enrollment and conduct, data analysis, patient follow up and study report generation for our Phase 2 and Phase 3 clinical trials.

Direct expenses for our vascular trauma and AV access for hemodialysis indications include costs related to our clinical trials, including fees paid to CROs, consultants, clinical sites and investigators. Costs related to development activities which broadly support multiple programs using our technology platform, including personnel, materials and supplies, external services costs, and other internal expenses, such as facilities and overhead costs, are not allocated to individual research and development programs. Other research and development expenses include direct costs not identifiable with a specific product candidate, including costs associated with our research and development platform used across programs, process development, manufacturing analytics and preclinical research and development for prospective product candidates and new technologies.

The successful development of our preclinical and clinical product candidates is highly uncertain. At this time, we cannot estimate with any reasonable certainty the nature, timing or costs of the efforts that will be necessary to complete the remainder of the development of any of our preclinical or clinical product candidates or the period, if any, in which material net cash inflows from these product candidates may commence. This is due to the numerous risks and uncertainties associated with the development of our product candidates, including:

- the scope, rate of progress, expense and results of our preclinical development activities, our ongoing clinical trials and any additional clinical trials that we may conduct, and other research and development activities;
- successful patient enrollment in and the initiation and completion of clinical trials;
- the timing, receipt and terms of any marketing approvals from applicable regulatory authorities including the FDA and non-U.S. regulators;
- the extent of any required post-marketing approval commitments to applicable regulatory authorities;
- development and refinement of clinical and commercial manufacturing capabilities or making arrangements with third-party manufacturers in order to ensure that it or its third-party manufacturers are able to successfully manufacture our product;
- obtaining, maintaining, defending and enforcing patent claims and other intellectual property rights;
- significant and changing government regulations;
- launching commercial sales of Symvess and our product candidates, if approved, whether alone or in collaboration with others;
- the degree of market acceptance of Symvess and any product candidates that obtain marketing approval; and
- maintaining a continued acceptable safety profile following approval of Symvess in the vascular trauma indication and in any other indications for which approval may be granted, or for any of our product candidates, if approved.

A change in the outcome of any of these variables could lead to significant changes in the costs and timing associated with the development of our product candidates. For example, if the FDA or another regulatory authority were to require us to conduct clinical trials beyond those that we currently anticipate being required to conduct in order to complete the clinical development of any of our product candidates, or if we experience significant delays in the enrollment or the conduct of any of our clinical trials, we could be required to expend significant additional financial resources and time on the completion of clinical development.

General and Administrative Expenses

General and administrative expenses consist primarily of salaries and related costs for employees in executive, finance, human resources, commercialization, and administrative support functions, which also include stock-based compensation expenses and benefits for such employees. Other significant general and administrative expenses include facilities costs, professional fees for accounting and legal services and expenses associated with obtaining and maintaining patents.

We expect our general and administrative expenses will continue to increase for the foreseeable future to support our expanded infrastructure and increased costs of operating as a public company and as we commercialize Symvess in the United States and seek marketing approval for Symvess outside of the United States. These increases are expected to include increased employee-related expenses, increased sales and marketing expenses, and increased director and officer insurance premiums, audit and legal fees, and expenses for compliance with public company reporting requirements under the Exchange Act and rules implemented by the SEC, as well as Nasdaq rules.

Other Income (Expense), Net

Total other income (expense), net consists of (i) the change in fair value of the Contingent Earnout Liability that was accounted for as a liability as of the date of the Merger and is remeasured to fair value at each reporting period, resulting in a non-cash gain or loss, (ii) interest income earned on our cash and cash equivalents, (iii) interest expense incurred on our Term Loan Facility, finance leases, and our former Purchase Agreement during the periods each were outstanding, and (iv) the change in fair value of our derivative liabilities and assets, including the private placement Common Stock warrant liabilities related to the Private Placement Warrants, which we assumed in connection with the Merger; Common Stock warrant liabilities related to our Registered Direct Offerings; the warrant liability related to the Loan Agreement; the former contingent derivative liability related to the terminated Purchase Agreement; a former liability related to a freestanding option agreement related to the terminated Purchase Agreement; a derivative liability related to our agreement with JDRF; a derivative liability related to the Loan Agreement; and a derivative asset related to our Common Stock Purchase Agreement, all of which are subject to remeasurement to fair value at each balance sheet date each liability is outstanding, resulting in a non-cash gain or loss.

Results of Operations

Comparison of the Three Months Ended June 30, 2026 and 2025

($ in thousands)	Three Months Ended June 30, 2026	2025	Change $	Change %
Revenue:				
Product revenue, net	$ 406	$ 100	306	306%
Contract revenue	—	201	(201)	(100)%
Total revenue	406	301	105	35%
Operating expenses:				
Cost of goods sold	1,231	213	1,018	478%
Research and development	18,144	22,006	(3,862)	(18)%
General and administrative	8,027	7,809	218	3%
Total operating expenses	27,402	30,028	(2,626)	(9)%
Loss from operations	**(26,996)**	**(29,727)**	**2,731**	**(9)%**
Other income (expense), net:				
Interest income	388	832	(444)	(53)%
Interest expense	(2,321)	(2,545)	224	(9)%
Change in fair value of Contingent Earnout Liability	(2,718)	(5,470)	2,752	(50)%
Change in fair value of derivatives	(5,155)	(748)	(4,407)	589%
Total other expense, net	(9,806)	(7,931)	(1,875)	24%
Net loss	**$ (36,802)**	**$ (37,658)**	**$ 856**	**(2)%**

Revenue

Total revenue was $0.4 million for the three months ended June 30, 2026, compared with $0.3 million revenue for the three months ended June 30, 2025. Revenue for the three months ended June 30, 2026 consisted of product revenue from sales of Symvess in the United States. Revenue for the three months ended June 30, 2025 consisted of $0.1 million of product revenue from sales of Symvess in the United States and $0.2 million of revenue earned related to research and development services pursuant to a research contract with a large medical technology company.

Cost of Goods Sold

Cost of goods sold was $1.2 million for the three months ended June 30, 2026, compared to $0.2 million for the three months ended June 30, 2025. During the three months ended June 30, 2026, cost of goods sold included a $0.7 million inventory reserve to reduce certain inventory to its estimated net realizable value, $0.1 million in costs associated with excess capacity, and royalties on product sales.

Research and Development Expenses

The following table presents research and development expenses for the periods indicated:

($ in thousands)	Three Months Ended June 30, 2026	2025	Change $	%
Direct Expenses				
Vascular Trauma	$ 94	$ 185	$ (91)	(49)%
AV Access	1,374	1,541	(167)	(11)%
Total	1,468	1,726	(258)	(15)%
Unallocated Expenses				
External services	1,147	1,232	(85)	(7)%
Materials and supplies	3,505	8,386	(4,881)	(58)%
Payroll and personnel expenses	8,949	9,087	(138)	(2)%
Other research and development expenses	3,075	1,575	1,500	95%
Total	16,676	20,280	(3,604)	(18)%
Total research and development expenses	**$ 18,144**	**$ 22,006**	**$ (3,862)**	**(18)%**

Research and development expenses were $18.1 million for the three months ended June 30, 2026, a decrease of $3.9 million, or 18%, compared with $22.0 million for the three months ended June 30, 2025. The decrease was primarily attributable to a $4.9 million reduction in materials and supplies expense, which was higher in the prior-year period due to non-commercial manufacturing production runs. The decrease was partially offset by a $1.5 million increase in other research and development expenses, primarily due to a $1.6 million decrease in the capitalization of manufacturing overhead costs in the current-year period resulting from fewer manufacturing runs compared to the prior-year period.

General and Administrative Expenses

General and administrative expenses were comparable at $8.0 million and $7.8 million for the three months ended June 30, 2026 and 2025, respectively.

Total Other Income (Expense), net

Total other expense, net was $9.8 million for the three months ended June 30, 2026, compared with $7.9 million for the three months ended June 30, 2025. The $1.9 million expense increase was primarily attributable to a $4.4 million increase in the non-cash loss from the fair value remeasurement of derivative liabilities, partially offset by a $2.8 million non-cash gain from the fair value remeasurement of the Contingent Earnout Liability.

Comparison of the Six Months Ended June 30, 2026 and 2025

($ in thousands)	Six Months Ended June 30, 2026	2025	Change $	Change %
Revenue:				
Product revenue, net	$ 899	$ 247	$ 652	264%
Contract revenue	2	571	(569)	(100)%
Total revenue	901	818	83	10%
Operating expenses:				
Cost of goods sold	3,269	360	2,909	808%
Research and development	37,606	37,424	182	0%
General and administrative	15,957	15,945	12	0%
Total operating expenses	56,832	53,729	3,103	6%
Loss from operations	**(55,931)**	**(52,911)**	**(3,020)**	**6%**
Other income (expense), net:				
Interest income	718	1,494	(776)	(52)%
Interest expense	(4,592)	(5,545)	953	(17)%
Change in fair value of Contingent Earnout Liability	2,014	44,261	(42,247)	(95)%
Change in fair value of derivatives	3,370	14,182	(10,812)	(76)%
Total other income, net	1,510	54,392	(52,882)	(97)%
Net (loss) income	**$ (54,421)**	**$ 1,481**	**$ (55,902)**	**n/m**

Revenue

Total revenue was $0.9 million for the six months ended June 30, 2026, compared with $0.8 million revenue for the six months ended June 30, 2025. Revenue for the six months ended June 30, 2026 consisted primarily of product revenue from sales of Symvess in the United States. Revenue for the six months ended June 30, 2025 consisted of $0.2 million of product revenue from sales of Symvess in the United States and $0.6 million of revenue earned related to research and development services pursuant to a research contract with a large medical technology company.

Cost of Goods Sold

Cost of goods sold was $3.3 million for the six months ended June 30, 2026, compared to $0.4 million for the six months ended June 30, 2025. During the six months ended June 30, 2026, cost of goods sold included a $2.3 million inventory reserve to reduce certain inventory to its estimated net realizable value, $0.3 million in costs associated with excess capacity, and royalties on product sales.

Research and Development Expenses

The following table presents research and development expenses for the periods indicated:

($ in thousands)	Six Months Ended June 30, 2026	2025	Change $	Change %
Direct Expenses				
Vascular Trauma	$ 279	$ 412	$ (133)	(32)%
AV Access	2,604	2,744	(140)	(5)%
Total	2,883	3,156	(273)	(9)%
Unallocated Expenses				
External services	1,981	2,897	(916)	(32)%
Materials and supplies	7,807	8,386	(579)	(7)%
Payroll and personnel expenses	18,743	18,632	111	1%
Other research and development expenses	6,192	4,353	1,839	42%
Total	34,723	34,268	455	1%
Total research and development expenses	**$ 37,606**	**$ 37,424**	**$ 182**	**0%**

Research and development expenses were comparable at $37.6 million and $37.4 million for the six months ended June 30, 2026 and 2025, respectively. Other research and development expenses increased by $1.8 million compared to the prior-year period, primarily due to a reduction in capitalized manufacturing overhead costs resulting from fewer manufacturing runs. This increase was partially offset by decreases of $0.6 million in materials and supplies expense and $0.9 million in professional and consulting costs included in external services expense, primarily due to the wind-down of certain programs.

General and Administrative Expenses

General and administrative expenses were $16.0 million for each of the six months ended June 30, 2026 and 2025.

Total Other Income (Expense), net

Total other income, net was $1.5 million for the six months ended June 30, 2026, compared with $54.4 million for the six months ended June 30, 2025. The $52.9 million decrease was primarily attributable to lower non-cash gains, including decreases of $42.3 million from the fair value remeasurement of the Contingent Earnout Liability and $10.8 million from the fair value remeasurement of derivative liabilities.

Liquidity and Capital Resources

Sources of Liquidity

Although we are a commercial-stage biotechnology platform company, we have a single product approved for commercial sale and generated $0.4 million and $0.9 million of product revenue from sales of Symvess during the three and six months ended June 30, 2026, respectively, compared with $0.1 million and $0.2 million, respectively, for the three and six months ended June 30, 2025.

We have historically financed our operations primarily through the sale of equity securities and convertible debt, borrowings under loan facilities, including the Term Loan Facility, the Purchase Agreement, and, to a lesser extent, through grants from governmental and other agencies. Since our inception, we have incurred significant operating losses and negative cash flows. As of June 30, 2026 and December 31, 2025, we had an accumulated deficit of $781.3 million and $726.8 million, respectively.

As of June 30, 2026 and December 31, 2025, we had working capital of $77.8 million and $49.4 million, respectively. As of June 30, 2026 and December 31, 2025, we had cash and cash equivalents of $79.9 million and $50.5 million, respectively, and restricted cash of $0.4 million as of both dates.

We will not have sufficient liquidity to fund our operations beyond one year from the issuance of these interim financial statements if we are unable to generate sufficient cash flows from commercial sales on a timely basis and/or obtain additional capital. These factors raise substantial doubt about our ability to continue as a going concern. Our future viability is dependent on our ability to generate cash flows from the sale of Symvess and raise additional capital to finance our operations. As further disclosed in Note 10, in May 2026, we implemented a plan to reduce our workforce by approximately 45 employees, defer additional planned new hires, and reduce other operating expenses. These reductions have been implemented thoughtfully, and we have retained key personnel, resources, and initiatives to meet our key corporate goals and milestones. We plan to seek additional funding through private or public equity financings, debt financings, debt refinancings or restructurings, collaborations, strategic alliances, and marketing, distribution or licensing arrangements. Adequate additional capital may not be available to us when needed or on acceptable terms. If we are unable to raise capital, we plan to implement a program that delays, reduces, suspends or ceases certain of our planned capital expenditures, research and development programs or any future commercialization efforts, which would have a negative impact on our business, prospects, operating results and financial condition. The accompanying unaudited condensed consolidated financial statements contained in Part I, Item 1 of this Quarterly Report on Form 10-Q have been prepared assuming that we will continue as a going concern and contemplate the realization of assets and the satisfaction of liabilities in the normal course of business. The accompanying condensed consolidated financial statements do not include any adjustments related to the recoverability and classification of assets or the amounts and classification of liabilities or any other adjustments that might be necessary should we be unable to continue as a going concern.

See Note 1, Organization and Description of Business, to our accompanying condensed consolidated financial statements included elsewhere in this Quarterly Report for additional information regarding this assessment.

On September 24, 2024, we entered into the Common Stock Purchase Agreement with Lincoln Park for an equity line financing, which provides that, subject to the terms and conditions set forth in the Common Stock Purchase Agreement, we have the sole right, but not the obligation, to sell to Lincoln Park shares of Common Stock having an aggregate value of up to $50.0 million over a 24-month period. We control the timing and amount of any sales to Lincoln Park. As of June 30, 2026, we had completed sales of shares under the Common Stock Purchase Agreement that provided $2.5 million in gross proceeds, and as of June 30, 2026, we had $47.5 million in remaining availability for sales of our Common Stock under our Common Stock Purchase Agreement with Lincoln Park.

On March 25, 2025, we entered into an underwriting agreement in connection with the 2025 Public Offering. The net proceeds to us from the 2025 Public Offering were approximately $46.7 million, after deducting underwriting discounts and commissions and offering expenses. The 2025 Public Offering closed on March 27, 2025.

On October 6, 2025, we entered into a securities purchase agreement with institutional investors pursuant to which the investors purchased approximately $60.0 million of Common Stock and October 2025 RDO Warrants in the October 2025 Registered Direct Offering. The net proceeds to us from the October 2025 Registered Direct Offering were approximately $56.5 million, after deducting placement agent's fees and offering expenses of approximately $3.5 million. The October 2025 Registered Direct Offering closed on October 8, 2025.

On December 15, 2025, we entered into the Loan Agreement with Avenue Venture Opportunities Fund II, L.P., as administrative agent and collateral agent for the lenders, which provides for a Term Loan Facility of up to $77.5 million in the aggregate that matures on December 1, 2029. The Term Loan Facility consists of (i) an initial term loan of $40.0 million, which was fully funded on December 15, 2025, (ii) a $12.5 million delayed draw term loan which will be made available between October 1, 2026 and March 31, 2027, subject to the satisfaction of certain revenue, regulatory approval and liquidity conditions, and (iii) a $25.0 million delayed draw term loan which will be made available at the discretion of the lenders between July 1, 2027 and June 30, 2028, subject to the satisfaction of certain revenue, regulatory approval and liquidity conditions. The proceeds from the initial term loan were used primarily to repay the remaining obligations under the Purchase Agreement, as discussed below.

On March 19, 2026, we entered into certain securities purchase agreements pursuant to which we agreed to issue and sell to certain investors in a registered direct offering 25,000,000 shares of Common Stock at a price of $0.80 per share (the "March 2026 Registered Direct Offering"). The net proceeds to us from the March 2026 Registered Direct Offering were approximately $18.3 million, after deducting the placement agent's fees and offering expenses of approximately $0.4 million. The March 2026 Registered Direct Offering closed on March 20, 2026.

On June 10, 2026, we entered into an underwriting agreement with Barclays Capital Inc., BTIG, LLC and Titan Partners Group LLC, a division of American Capital Partners, LLC, as representatives of the several underwriters named therein, relating to the 2026 Public Offering. In the 2026 Public Offering, we sold the 2026 Firm Shares, consisting of 47,619,048 shares of Common Stock, at a price to the public of $1.05 per share. We also granted the underwriters a 30-day option to purchase up to an additional 7,142,857 shares of Common Stock at the same price as the 2026 Firm Shares, which the underwriters exercised on June 15, 2026. Our net proceeds from the 2026 Public Offering, including the sale of the 2026 Option Shares, were approximately $53.8 million after deducting underwriting discounts and commissions and offering expenses. The sale of the 2026 Firm Shares closed on June 12, 2026 and the sale of 2026 Option Shares closed on June 16, 2026.

ATM Facilities

On September 1, 2022, we entered into a sales agreement with Jefferies LLC, acting as sales agent (the "Jefferies ATM Sales Agreement"), for the sale from time to time of up to $80.0 million of shares of Common Stock (the "Jefferies ATM Facility"). During the six months ended June 30, 2025, we sold an aggregate of 1,299,870 shares of Common Stock under the ATM Facility at an average price of $2.86 per share for net proceeds of approximately $3.6 million after deducting sales

commissions of approximately $0.1 million. On November 21, 2025, we delivered a notice to Jefferies LLC terminating the Jefferies ATM Sales Agreement, which termination became effective 10 days thereafter.

On December 16, 2025, we entered into a sales agreement with TD Cowen, acting as sales agent (the "TD Cowen ATM Facility"), pursuant to which we may sell shares of Common Stock from time to time up to an aggregate offering price of $60.0 million. During the six months ended June 30, 2026, we sold an aggregate of 4,018,497 shares of Common Stock under the TD Cowen ATM Facility at an average price of $1.16 per share for net proceeds of approximately $4.6 million. All such sales occurred during the first quarter of 2026. On March 19, 2026, we suspended and terminated the ATM Prospectus pursuant to which shares had been sold under the TD Cowen ATM Facility.

Material Cash Requirements

Our known material cash requirements include: (1) the purchase of supplies and services that are primarily for research and development; (2) manufacturing and commercialization expenditures; (3) employee wages, benefits, and incentives; (4) finance lease payments (for additional information see below); and (5) debt service obligations under our senior secured Term Loan Facility (for additional information, see below and Note 6, Debt, to our unaudited condensed consolidated financial statements contained elsewhere in this Quarterly Report). We have also entered into contracts with CROs primarily for clinical trials. These contracts generally provide for termination upon limited notice, and therefore we believe that our non-cancellable obligations under these agreements are not material. Moreover, we may be subject to additional material cash requirements that are contingent upon the occurrence of certain events, for example, legal contingencies, uncertain tax positions, and other matters.

Under the senior secured Term Loan Facility (see Note 6 to our unaudited condensed consolidated financial statements contained elsewhere in this Quarterly Report), we are required to make monthly interest payments beginning in January 2026 at a variable rate equal to the greater of 11.50% or the Wall Street Journal Prime Rate plus 4.50%. We are not required to make scheduled principal payments until December 1, 2027, or December 1, 2028 if the second tranche is funded, after which principal will be repaid in equal monthly installments through maturity in December 2029. In addition, the facility includes a contractual final payment fee of $2.4 million due at maturity. Because the interest rate is variable, our future interest expense and related cash interest payments may increase or decrease based on changes in rates. The Loan Agreement contains customary affirmative and negative covenants, certain liquidity requirements and customary events of default, and is secured by substantially all of our assets. See Note 6 to our unaudited condensed consolidated financial statements contained elsewhere in this Quarterly Report.

As of June 30, 2026, we had non-cancellable purchase commitments of $22.3 million for supplies and services that are primarily for research and development. We have existing license agreements with Duke University and Yale University, a distribution agreement with Fresenius Medical Care and our JDRF Agreement. The amount and timing of any potential milestone payments, license fee payments, royalties and other payments that we may be required to make under these agreements are unknown or uncertain at June 30, 2026. For additional information regarding our agreement with Fresenius Medical Care, see Note 11, Related Party Transactions, to our unaudited condensed consolidated financial statements contained elsewhere in this Quarterly Report. For additional information regarding our agreements with Duke University, Yale University and JDRF, see Note 10 to our unaudited condensed consolidated financial statements contained elsewhere in this Quarterly Report.

Leases

Our finance lease relates to our headquarters facility containing our manufacturing, research and development and general and administrative functions, which was substantially completed in June 2018. Our future contractual obligations under our lease agreement as of June 30, 2026 are as follows:

($ in thousands)	Total	Less than 1 year	1 – 3 years	3 – 5 years	More than 5 years
Finance leases	$ 60,355	$ 1,518	$ 4,068	$ 7,288	$ 47,481

Future Funding Requirements

We expect to incur significant expenses in connection with our ongoing activities as we seek to (i) continue to sell Symvess for the vascular trauma indication and seek marketing approval for Symvess in additional indications and for our product candidates in the United States and to obtain marketing approval for our 6 millimeter ATEV outside of the United States; (ii) continue clinical development of our 6 millimeter ATEV for use in AV access for hemodialysis and submit a BLA for FDA approval of an indication in AV access for hemodialysis; (iii) advance our pipeline in major markets, including PAD Phase 3 trials and continue preclinical development and advance to planned clinical studies in CABG and BVP for diabetes; and (iv) scale out our manufacturing facility as required to satisfy market demand. We will need additional funding in connection with these activities.

Our future funding requirements, both short-term and long-term, will depend on many factors, including:

- the cost and timing of our future commercialization activities, including product manufacturing, marketing and distribution for Symvess in the United States, and any other product candidate for which we receive marketing approval in the future;
- the amount and timing of revenues that we receive from commercial sales of Symvess and any product candidates for which we receive marketing approval;
- the progress and results of our clinical trials and interpretation of those results by the FDA and other regulatory authorities;
- the cost, timing and outcome of regulatory review of our product candidates, particularly for marketing approval of Symvess outside of the United States and of our product candidates in the United States;
- the scope, progress, results and costs of preclinical development, laboratory testing and clinical trials for our additional product candidates;
- the costs and timing of preparing, filing and prosecuting patent applications, maintaining and enforcing our intellectual property rights and defending any intellectual property-related claims; and
- the costs of operating as a public company, including hiring additional personnel as well as increased director and officer insurance premiums, audit and legal fees, and expenses for compliance with public company reporting requirements under the Exchange Act and rules implemented by the SEC and Nasdaq.

Until such time, if ever, as we are able to successfully commercialize Symvess and to develop and commercialize our product candidates, we expect to continue financing our operations through equity financings, debt financings, debt refinancings or restructurings or through potential collaborations with other companies, other strategic transactions or government or other grants. Adequate capital may not be available to us when needed or on acceptable terms. We do not currently have any committed external source of funds. To the extent that we raise additional capital through the sale of equity or convertible debt securities, the ownership interest of our stockholders will be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect the rights of stockholders. Debt financing and preferred equity financing, if available, may involve agreements that include covenants limiting or restricting our ability to take specific actions, such as incurring additional debt, making acquisitions or capital expenditures. Debt financing would also result in additional fixed payment obligations. If we are unable to raise capital, we plan to implement a program that delays, reduces, suspends or ceases our planned capital expenditures, research and development programs or any future commercialization efforts, which would have a negative impact on our business, prospects, operating results and financial condition.

Our principal use of cash in recent periods has been to fund our operations, including the clinical and preclinical development of our product candidates. Our future capital requirements, both short-term and long-term, will depend on many factors, including the progress and results of our clinical trials and preclinical development, timing and extent of spending to support development efforts, cost and timing of future commercialization activities, and the amount and timing of revenues that we receive from commercial sales.

See the section of our Annual Report entitled "Risk Factors" for additional risks associated with our substantial capital requirements.

Cash Flows

The following table shows a summary of our cash flows for each of the periods shown below:

	Six Months Ended June 30,	
($ in thousands)	**2026**	**2025**
Net (loss) income	$ (54,421)	$ 1,481
Non-cash adjustments to reconcile net (loss) income to net cash used in operating activities[(a)]:	7,279	(45,533)
Changes in operating assets and liabilities:	(23)	(10,962)
Net cash used in operating activities	(47,165)	(55,014)
Net cash used in investing activities	(279)	(796)
Net cash provided by financing activities	76,850	48,905
Net increase (decrease) in cash, cash equivalents and restricted cash	$ 29,406	$ (6,905)
Cash, cash equivalents and restricted cash at the beginning of the period	$ 50,850	$ 95,290
Cash, cash equivalents and restricted cash at the end of the period	$ 80,256	$ 88,385

[(a)] Primarily includes depreciation; amortization related to our leases; stock-based compensation expense; non-cash interest expense related to our revenue interest liability, our JDRF Award liability (defined above), and our Term Loan Facility (defined above); amortization of debt discount related to our Term Loan Facility; the changes in fair value of our Contingent Earnout Liability (defined above) and our derivative liabilities and asset; and inventory write-down to net realizable value.

Cash Flow from Operating Activities

Net cash used in operating activities decreased by $7.8 million for the six months ended June 30, 2026, compared with the six months ended June 30, 2025. The decrease was primarily attributable to a favorable year-over-year change in manufacturing runs and inventory build. This decrease in cash used was partially offset by net unfavorable changes in other working capital components, including prepaid expenses, other current assets, and accounts payable.

Cash Flow from Investing Activities

Net cash used in investing activities for the six months ended June 30, 2026 and 2025 consisted of purchases of property and equipment.

Cash Flow from Financing Activities

Net cash provided by financing activities for the six months ended June 30, 2026 consisted primarily of $18.3 million of net proceeds from our March 2026 Registered Direct Offering, $53.8 million of net proceeds from our 2026 Public Offering and $4.6 million of net proceeds from the issuance of stock under our TD Cowen ATM Facility. Net cash provided by financing activities for the six months ended June 30, 2025 consisted primarily of $46.7 million of net proceeds from our 2025 Public Offering and $3.6 million of net proceeds from the issuance of stock under our Jefferies ATM Facility.

Off-Balance Sheet Arrangements

During the periods presented, we did not have, and we do not currently have, any off-balance sheet arrangements as defined by SEC rules and regulations.

Critical Accounting Estimates

Our discussion and analysis of our financial condition and results of operations is based upon our unaudited condensed consolidated financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States of America. The preparation of our unaudited condensed consolidated financial statements requires us to make estimates, assumptions and judgments that affect the reported amounts of assets, liabilities, revenues, and expenses, and disclosure of contingent liabilities. We base our estimates and assumptions on historical experience and other factors that we believe to be reasonable under the circumstances. We evaluate our estimates and assumptions on an ongoing basis. Although we believe that our estimates, assumptions, and judgments are reasonable, they are based upon information presently available. Actual results may differ significantly from these estimates based on different assumptions, judgments, or conditions.

An accounting estimate or assumption is considered critical if both (a) the nature of the estimate or assumption involves a significant level of estimation uncertainty, and (b) the impact within a reasonable range of outcomes of the estimate and assumption is material to our financial condition. There have been no material changes to our critical accounting estimates as compared to those disclosed in our audited consolidated financial statements as of and for the years ended December 31, 2025 and 2024, included in our Annual Report.

Smaller Reporting Company Status

We are a "smaller reporting company" as defined in Item 10(f)(1) of Regulation S-K under the Exchange Act ("Regulation S-K"), and may continue to qualify as such even after we no longer qualify as an emerging growth company. Smaller reporting companies may take advantage of certain reduced disclosure obligations, including, among other things, providing only two years of audited financial statements. We will remain a smaller reporting company if (1) the market value of Common Stock held by non-affiliates is less than $250 million as of the last business day of the second fiscal quarter, or (2) our annual revenues in our most recent fiscal year completed before the last business day of the second fiscal quarter are less than $100 million and the market value of Common Stock held by non-affiliates is less than $700 million as of the last business day of the second fiscal quarter.

Item 3. Quantitative and Qualitative Disclosures About Market Risk

We qualify as a smaller reporting company, as defined by Item 10 of Regulation S-K and, thus, are not required to provide the information required by this Item.

Item 4. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

Disclosure controls and procedures are designed to ensure that information required to be disclosed in our reports filed or submitted under the Exchange Act is (i) recorded, processed, summarized, and reported within the time periods specified in the SEC's rules and forms and (ii) accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, to allow timely decisions regarding required disclosure.

As of June 30, 2026, our management, under the supervision and with the participation of our Chief Executive Officer and Chief Financial Officer, evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act). Based on that evaluation, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective as of June 30, 2026.

Changes in Internal Control Over Financial Reporting

There were no changes in our internal control over financial reporting (as defined in Rule 13a-15(f) and 15d-15(f) under the Exchange Act) during the three months ended June 30, 2026 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Inherent Limitations on Effectiveness of Controls

Our management, including our Chief Executive Officer and Chief Financial Officer, believes that our disclosure controls and procedures and internal control over financial reporting are designed to provide reasonable assurance of achieving their objectives and are effective at the reasonable assurance level. However, our management does not expect that our disclosure controls and procedures or our internal control over financial reporting will prevent or detect all error and fraud. Any control system, no matter how well designed and operated, is based upon certain assumptions and can provide only reasonable, not absolute, assurance that its objectives will be met. Further, no evaluation of controls can provide absolute assurance that misstatements due to error or fraud will not occur or that all control issues and instances of fraud, if any, within our company have been detected.

PART II – OTHER INFORMATION

Item 1. Legal Proceedings

See the section "Legal Matters" contained in Note 10, Commitments and Contingencies, in the notes to our accompanying condensed consolidated financial statements for additional information.

Item 1A. Risk Factors

Our risk factors are disclosed in Part I, Item 1A of our Annual Report. The risk factors set forth below supplement those disclosures and should be read together with the risk factors in our Annual Report. Except as set forth below, there have been no material changes to the risk factors previously disclosed in our Annual Report during the six months ended June 30, 2026 .

We may not successfully execute or achieve the expected benefits of cost-saving measures that we have taken or may take in the future, and our efforts may be disruptive and could adversely affect our business.

In May 2026, we implemented a plan to reduce our workforce by approximately 45 employees, defer additional planned new hires, and reduce other operating expenses. These reductions have been implemented thoughtfully, and we have retained key personnel, resources, and initiatives to meet our key corporate goals and milestones. From time to time, we also take actions intended to address the short-term health of our business as well as our long-term objectives based on our current estimates, assumptions and forecasts. These measures are subject to known and unknown risks and uncertainties, including whether we have targeted the appropriate areas for our cost-saving efforts and at the appropriate scale, and whether, if required in the future, we will be able to appropriately target any additional areas for our cost-saving efforts. As such, the actions we are taking in connection with our current cost saving measures, as well as any additional actions we may decide to take in the future may not be successful in yielding our intended results and may not appropriately address either or both of the short-term and long-term strategy for our business. Implementation of our current and any other cost-saving initiatives may be costly and disruptive to our business, the expected costs and charges may be greater than we have forecasted, and the estimated cost savings may be lower than we have forecasted. Certain aspects of the cost saving measures, such as severance costs in connection with reducing our headcount, could negatively impact our cash flows. In addition, our initiatives could result in personnel attrition beyond our planned reduction in headcount or reduced employee morale, which could in turn adversely impact productivity, including through a loss of continuity, loss of accumulated knowledge or inefficiency during transitional periods, or our ability to attract highly skilled employees. Unfavorable publicity about us or any of our strategic initiatives could result in reputation harm and could diminish confidence in, and the adoption or use of, Symvess and our products and product candidates, including our ATEVs and CTEVs.

We have received a notice of delisting or failure to satisfy a continued listing rule from Nasdaq. If we are unable to regain or maintain compliance, our common stock could be delisted, which could adversely affect our stock price, liquidity, and ability to raise capital.

On July 31, 2026, we received a letter from the staff of Nasdaq notifying us that, for the 30 consecutive business days ended July 30, 2026, the closing bid price of our Common Stock was below the minimum $1.00 per share requirement under Nasdaq Listing Rule 5450(a)(1). In accordance with Nasdaq Listing Rule 5810(c)(3)(A), we have been provided an initial period of 180 calendar days, or until January 27, 2027, to regain compliance. To regain compliance, the closing bid price of our Common Stock must be $1.00 per share or more for a minimum of 10 consecutive business days at any time before January 27, 2027. The notice has no immediate effect on the listing of our Common Stock, which continues to trade on The Nasdaq Global Select Market under the symbol "HUMA," or on our business operations or reporting obligations with the SEC. If we regain compliance, Nasdaq will provide us with written confirmation and close the matter.

If we do not regain compliance during the initial compliance period, Nasdaq may issue a delisting determination with respect to our Common Stock, which could result in the delisting of our Common Stock from Nasdaq. We intend to monitor the bid price of the Common Stock and will consider options available to us to achieve compliance. However, there can be no assurance that we will regain compliance within the applicable compliance period or otherwise maintain compliance with

Nasdaq's continued listing requirements. If our Common Stock is delisted from Nasdaq, the market liquidity for our Common Stock could be adversely affected and the trading price of our Common Stock could decline. A delisting could also make it more difficult for us to raise additional capital on acceptable terms, or at all, which could adversely affect our business, financial condition and results of operations.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

In May 2026, the Company issued warrants to purchase an aggregate of 240,000 shares of Common Stock at an exercise price of $1.11 per share (the "Mayo Clinic Warrants") to Mayo Clinic in connection with a services agreement under which Dr. Todd E. Rasmussen serves as the Company's Chief Surgical Officer (the "Mayo Services Agreement"). The shares issuable upon exercise of the Mayo Clinic Warrants may be transferred to Dr. Rasmussen, without prior written consent of the Company, in accordance with Mayo Clinic's internal royalty-sharing policy and applicable federal and state securities laws. The Mayo Clinic Warrants vest in three equal annual tranches of 80,000 shares of Common Stock per tranche on March 31, 2027, 2028, and 2029, subject to continued effectiveness of the Mayo Services Agreement, and expire on May 27, 2031. The issuance was made pursuant to an exemption from registration contained in Section 4(a)(2) of the Securities Act of 1933, as amended.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

None.

Item 5. Other Information

Director and Officer Trading Arrangements

On June 3, 2026, Laura E. Niklason, the Company's President and Chief Executive Officer, adopted a trading arrangement for the sale of Common Stock that is intended to satisfy the affirmative defense conditions provided by Rule 10b5-1(c) under the Exchange Act (the "Niklason 10b5-1 Plan"). The Niklason 10b5-1 Plan provides for the first possible trade date of September 1, 2026 and terminates automatically on the earlier of the execution of all trades contemplated by the Niklason 10b5-1 Plan (or the expiration of all orders relating to such trades), or June 3, 2027. The Niklason 10b5-1 Plan provides for the potential sale of up to an aggregate of 214,420 shares of Common Stock pursuant to its terms.

Other than as disclosed above, during the three months ended June 30, 2026, no director or officer (as defined in Rule 16a-1(f) under the Exchange Act) of the Company adopted or terminated any "Rule 10b5-1 trading arrangement" or any "non-Rule 10b5-1 trading arrangement," as each term is defined in Item 408(a) of Regulation S-K.

Item 6. Exhibits

The following exhibits are filed as part of, or incorporated by reference into, this Quarterly Report on Form 10-Q.

Exhibit Number	Description
3.1*	Second Amended and Restated Certificate of Incorporation of Humacyte, Inc., as amended.
4.1*	Common Stock Purchase Warrant, dated May 27, 2026, by and between Humacyte, Inc. and Mayo Clinic, a Minnesota not-for-profit corporation.
10.1+	Third Amendment to Distribution Agreement, dated April 21, 2026, by and between Humacyte Global, Inc. and Fresenius Medical Care Holdings, Inc. (incorporated by reference to Exhibit 10.1 to Humacyte, Inc.'s Current Report on Form 8-K, filed with the SEC on April 24, 2026).
31.1*	Certification of Chief Executive Officer pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2*	Certification of Chief Financial Officer pursuant to Rules 13a-14(a) and 15d-14(a) under the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1**	Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2**	Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101*	The following materials from Humacyte, Inc.'s Quarterly Report on Form 10-Q for the quarter ended June 30, 2026, formatted in Inline XBRL (Inline eXtensible Business Reporting Language): (i) Condensed Consolidated Balance Sheets (unaudited), (ii) Condensed Consolidated Statements of Operations and Comprehensive (Loss) Income (unaudited), (iii) Condensed Consolidated Statements of Changes in Stockholders' Equity (Deficit) (unaudited), (iv) Condensed Consolidated Statements of Cash Flows (unaudited), (v) Notes to Condensed Consolidated Financial Statements (unaudited), and (vi) Cover Page.
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101).

+ Certain confidential information contained in this exhibit, marked by brackets, has been omitted because the information (i) is not material and (ii) is the type of information the company both customarily and actually treats as private or confidential.

* Filed herewith.

** This exhibit is being furnished rather than filed, and shall not be deemed incorporated by reference into any filing, in accordance with Item 601 of Regulation S-K.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized on this 12th day of August, 2026.

HUMACYTE, INC.

Date: August 12, 2026

By: /s/ Laura E. Niklason, M.D., Ph.D.
Name: Laura E. Niklason, M.D., Ph.D.
Title: President and Chief Executive Officer

By: /s/ Dale A. Sander
Name: Dale A. Sander
Title: Chief Financial Officer, Chief Corporate Development Officer and Treasurer

Exhibit 3.1

SECOND AMENDED AND RESTATED CERTIFICATE OF INCORPORATION OF ALPHA HEALTHCARE ACQUISITION CORP.

August 26, 2021

Alpha Healthcare Acquisition Corp., a corporation organized and existing under the laws of the State of Delaware (the "***Corporation***"), DOES HEREBY CERTIFY AS FOLLOWS:

1. The name of the Corporation is "***Alpha Healthcare Acquisition Corp.***". The original certificate of incorporation of the Corporation was filed with the Secretary of State of the State of Delaware on July 1, 2020 (the "***Original Certificate***"). The Corporation filed an amended and restated certificate of incorporation with the Secretary of State of the State of Delaware on September 17, 2020 (the "***Existing Certificate***").

2. This Second Amended and Restated Certificate of Incorporation (the "***Amended and Restated Certificate***"), which both restates and amends the provisions of the Existing Certificate, was duly adopted in accordance with Sections 242 and 245 of the General Corporation Law of the State of Delaware, as amended from time to time (the "***DGCL***").

3. This Amended and Restated Certificate shall become effective on the date of filing with Secretary of State of Delaware.

4. The text of the Existing Certificate is hereby restated and amended in its entirety to read as follows:

ARTICLE I NAME

The name of the corporation is Humacyte, Inc. (the "***Corporation***").

ARTICLE II PURPOSE

The purpose of the Corporation is to engage in any lawful act or activity for which corporations may be organized under the DGCL.

ARTICLE III REGISTERED AGENT

The address of the Corporation's registered office in the State of Delaware is 251 Little Falls Drive, in the City of Wilmington, County of New Castle, State of Delaware, 19808, and the name of the Corporation's registered agent at such address is Corporation Service Company.

ARTICLE IV CAPITALIZATION

Section 4.1 Authorized Capital Stock. The total number of shares of all classes of capital stock, each with a par value of $0.0001 per share, which the Corporation is authorized to issue is 270,000,000 shares, consisting of (a) 250,000,000 shares of common stock (the "***Common Stock***") and (b) 20,000,000 shares of preferred stock (the "***Preferred Stock***").

Section 4.2 Preferred Stock. The Board of Directors of the Corporation (the "***Board***") is hereby expressly authorized to provide out of the unissued shares of the Preferred Stock for one or more series of Preferred Stock and to establish from time to time the number of shares to be included in each such series and to fix the voting rights, if any, designations, powers, preferences and relative, participating, optional, special and other rights, if any, of each

such series and any qualifications, limitations and restrictions thereof, as shall be stated in the resolution or resolutions adopted by the Board providing for the issuance of such series and included in a certificate of designation (a "***Preferred Stock Designation***") filed pursuant to the DGCL, and the Board is hereby expressly vested with the authority to the full extent provided by law, now or hereafter, to adopt any such resolution or resolutions.

Section 4.3 Common Stock.

(a) *Voting*.

(i) Except as otherwise required by law or this Amended and Restated Certificate (including any Preferred Stock Designation), the holders of the Common Stock shall exclusively possess all voting power with respect to the Corporation.

(ii) Except as otherwise required by law or this Amended and Restated Certificate (including any Preferred Stock Designation), the holders of shares of Common Stock shall be entitled to one vote for each such share on each matter properly submitted to the stockholders of the Corporation on which the holders of the Common Stock are entitled to vote.

(iii) Except as otherwise required by law or this Amended and Restated Certificate (including any Preferred Stock Designation), at any annual or special meeting of the stockholders of the Corporation, holders of Common Stock shall have the exclusive right to vote for the election of directors and on all other matters properly submitted to a vote of the stockholders. Notwithstanding the foregoing, except as otherwise required by law or this Amended and Restated Certificate (including any Preferred Stock Designation), holders of shares of Common Stock shall not be entitled to vote on any amendment to this Amended and Restated Certificate (including any amendment to any Preferred Stock Designation) that relates solely to the terms of one or more outstanding series of Preferred Stock if the holders of such affected series of Preferred Stock are entitled exclusively, either separately or together with the holders of one or more other such series, to vote thereon pursuant to this Amended and Restated Certificate (including any Preferred Stock Designation) or the DGCL.

(b) *Dividends*. Subject to applicable law, the rights, if any, of the holders of any outstanding series of the Preferred Stock, the holders of shares of Common Stock shall be entitled to receive such dividends and other distributions (payable in cash, property or capital stock of the Corporation) when, as and if declared thereon by the Board from time to time out of any assets or funds of the Corporation legally available therefor and shall share equally on a per share basis in such dividends and distributions.

(c) *Liquidation, Dissolution or Winding Up of the Corporation*. Subject to applicable law, the rights, if any, of the holders of any outstanding series of the Preferred Stock, in the event of any voluntary or involuntary liquidation, dissolution or winding up of the Corporation, after payment or provision for payment of the debts and other liabilities of the Corporation, the holders of shares of Common Stock shall be entitled to receive all the remaining assets of the Corporation available for distribution to its stockholders, ratably in proportion to the number of shares held by them.

Section 4.4 Rights and Options. The Corporation has the authority to create and issue rights, warrants and options entitling the holders thereof to acquire from the Corporation any shares of its capital stock of any class or classes, with such rights, warrants and options to be evidenced by or in instrument(s) approved by the Board. The Board is empowered to set the exercise price, duration, times for exercise and other terms and conditions of such rights, warrants or options; provided, however, that the consideration to be received for any shares of capital stock issuable upon exercise thereof may not be less than the par value thereof.

ARTICLE V BOARD OF DIRECTORS

Section 5.1 Board Powers. The business and affairs of the Corporation shall be managed by, or under the direction of, the Board. In addition to the powers and authority expressly conferred upon the Board by statute, this Amended and Restated Certificate or the Bylaws of the Corporation ("***Bylaws***"), the Board is hereby empowered to

exercise all such powers and do all such acts and things as may be exercised or done by the Corporation, subject, nevertheless, to the provisions of the DGCL, this Amended and Restated Certificate, and any Bylaws adopted by the stockholders of the Corporation; provided, however, that no Bylaws hereafter adopted by the stockholders of the Corporation shall invalidate any prior act of the Board that would have been valid if such Bylaws had not been adopted.

Section 5.2 Number, Election and Term.

(a) The number of directors of the Corporation, other than those who may be elected by the holders of one or more series of the Preferred Stock voting separately by class or series, shall be fixed from time to time exclusively by the Board pursuant to a resolution adopted by a majority of the Board.

(b) Subject to Section 5.5 hereof, the Board shall be divided into three classes, as nearly equal in number as possible and designated Class I, Class II and Class III. The Board is authorized to assign members of the Board already in office to Class I, Class II or Class III. The term of the initial Class I Directors shall expire at the first annual meeting of the stockholders of the Corporation following the effectiveness of this Amended and Restated Certificate, the term of the initial Class II Directors shall expire at the second annual meeting of the stockholders of the Corporation following the effectiveness of this Amended and Restated Certificate and the term of the initial Class III Directors shall expire at the third annual meeting of the stockholders of the Corporation following the effectiveness of this Amended and Restated Certificate. At each succeeding annual meeting of the stockholders of the Corporation, beginning with the first annual meeting of the stockholders of the Corporation following the effectiveness of this Amended and Restated Certificate, each of the successors elected to replace the class of directors whose term expires at that annual meeting shall be elected for a three-year term or until the election and qualification of their respective successors in office, subject to their earlier death, resignation or removal. Subject to Section 5.5 hereof, if the number of directors that constitute the Board is changed, any increase or decrease shall be apportioned by the Board among the classes so as to maintain the number of directors in each class as nearly equal as possible, but in no case shall a decrease in the number of directors constituting the Board shorten the term of any incumbent director. Subject to the rights of the holders of one or more series of Preferred Stock, voting separately by class or series, to elect directors pursuant to the terms of one or more series of Preferred Stock, the election of directors shall be determined by a plurality of the votes cast by the stockholders present in person or represented by proxy at the meeting and entitled to vote thereon. The Board is hereby expressly authorized, by resolution or resolutions thereof, to assign members of the Board already in office to the aforesaid classes at the time this Amended and Restated Certificate (and therefore such classification) becomes effective in accordance with the DGCL.

(c) Subject to Section 5.5 hereof, a director shall hold office until the annual meeting for the year in which his or her term expires and until his or her successor has been elected and qualified, subject, however, to such director's earlier death, resignation, retirement, disqualification or removal.

(d) Unless and except to the extent that the Bylaws shall so require, the election of directors need not be by written ballot. The holders of shares of Common Stock shall not have cumulative voting rights with regard to election of directors.

Section 5.3 Newly Created Directorships and Vacancies. Subject to Section 5.5 hereof, newly created directorships resulting from an increase in the number of directors and any vacancies on the Board resulting from death, resignation, retirement, disqualification, removal or other cause may be filled solely and exclusively by a majority vote of the remaining directors then in office, even if less than a quorum, or by a sole remaining director (and not by stockholders), and any director so chosen shall hold office for the remainder of the full term of the class of directors to which the new directorship was added or in which the vacancy occurred and until his or her successor has been elected and qualified, subject, however, to such director's earlier death, resignation, retirement, disqualification or removal.

Section 5.4 Removal. Subject to Section 5.5 hereof, any or all of the directors may be removed from office at any time, but only for cause and only by the affirmative vote of holders of at least sixty-six and two -thirds percent (66 2/3%) of the voting power of the then outstanding shares of capital stock of the Corporation entitled to vote generally in the election of directors, voting together as a single class.

Section 5.5 Preferred Stock - Directors. Notwithstanding any other provision of this *Article V*, and except as otherwise required by law, whenever the holders of one or more series of the Preferred Stock shall have the right, voting separately by class or series, to elect one or more directors, the term of office, the filling of vacancies, the removal from office and other features of such directorships shall be governed by the terms of such series of the Preferred Stock as set forth in this Amended and Restated Certificate (including any Preferred Stock Designation) and such directors shall not be included in any of the classes created pursuant to this *Article V* unless expressly provided by such terms.

ARTICLE VI BYLAWS

In furtherance and not in limitation of the powers conferred upon it by law, the Board shall have the power and is expressly authorized to adopt, amend, alter or repeal the Bylaws. The affirmative vote of a majority of the Board shall be required to adopt, amend, alter or repeal the Bylaws. The Bylaws also may be adopted, amended, altered or repealed by the stockholders; provided, however, that in addition to any vote of the holders of any class or series of capital stock of the Corporation required by law or by this Amended and Restated Certificate (including any Preferred Stock Designation), the affirmative vote of the holders of at least a majority of the voting power of all then outstanding shares of capital stock of the Corporation entitled to vote generally in the election of directors, voting together as a single class, shall be required for the stockholders to adopt, amend, alter or repeal the Bylaws; and provided further, however, that no Bylaws hereafter adopted by the stockholders shall invalidate any prior act of the Board that would have been valid if such Bylaws had not been adopted.

ARTICLE VII
SPECIAL MEETINGS OF STOCKHOLDERS; ADVANCE NOTICE; NO ACTION BY WRITTEN CONSENT

Section 7.1 Special Meetings. Subject to the rights, if any, of the holders of any outstanding series of the Preferred Stock, and to the requirements of applicable law, special meetings of stockholders of the Corporation may be called only by the Chairman of the Board, the Chief Executive Officer of the Corporation, or the Board pursuant to a resolution adopted by a majority of the Board, and the ability of the stockholders of the Corporation to call a special meeting is hereby specifically denied. Except as provided in the foregoing sentence, special meetings of stockholders of the Corporation may not be called by another person or persons.

Section 7.2 Advance Notice. Advance notice of stockholder nominations for the election of directors and of business to be brought by stockholders before any meeting of the stockholders of the Corporation shall be given in the manner provided in the Bylaws.

Section 7.3 No Action by Written Consent. Any action required or permitted to be taken by the stockholders of the Corporation must be effected by a duly called annual or special meeting of such stockholders and may not be effected by written consent of the stockholders.

ARTICLE VIII
LIMITED LIABILITY; INDEMNIFICATION

Section 8.1 Limitation of Director Liability. A director of the Corporation shall not be personally liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except to the extent such exemption from liability or limitation thereof is not permitted under the DGCL as the same exists or may hereafter be amended unless they violated their duty of loyalty to the Corporation or its stockholders, acted in bad faith, knowingly or intentionally violated the law, authorized unlawful payments of dividends, unlawful stock purchases or unlawful redemptions, or derived improper personal benefit from their actions as directors. Any amendment, modification or repeal of the foregoing sentence shall not adversely affect any right or protection of a director of the Corporation hereunder in respect of any act or omission occurring prior to the time of such amendment, modification or repeal.

Section 8.2 Indemnification and Advancement of Expenses.

(a) To the fullest extent permitted by applicable law, as the same exists or may hereafter be amended, the Corporation shall indemnify and hold harmless each person who is or was made a party or is threatened to be made a party to or is otherwise involved in any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (a "***proceeding***") by reason of the fact that he or she is or was a director or officer of the Corporation or, while a director or officer of the Corporation, is or was serving at the request of the Corporation as a director, officer, employee or agent of another corporation or of a partnership, joint venture, trust, other enterprise or nonprofit entity, including service with respect to an employee benefit plan (an "***indemnitee***"), whether the basis of such proceeding is alleged action in an official capacity as a director, officer, employee or agent, or in any other capacity while serving as a director, officer, employee or agent, against all liability and loss suffered and expenses (including, without limitation, attorneys' fees, judgments, fines, ERISA excise taxes and penalties and amounts paid in settlement) reasonably incurred by such indemnitee in connection with such proceeding. The Corporation shall to the fullest extent not prohibited by applicable law pay the expenses (including attorneys' fees) incurred by an indemnitee in defending or otherwise participating in any proceeding in advance of its final disposition; provided, however, that, to the extent required by applicable law, such payment of expenses in advance of the final disposition of the proceeding shall be made only upon receipt of an undertaking, by or on behalf of the indemnitee, to repay all amounts so advanced if it shall ultimately be determined that the indemnitee is not entitled to be indemnified under this Section 8.2 or otherwise. The rights to indemnification and advancement of expenses conferred by this Section 8.2 shall be contract rights and such rights shall continue as to an indemnitee who has ceased to be a director, officer, employee or agent and shall inure to the benefit of his or her heirs, executors and administrators. Notwithstanding the foregoing provisions of this Section 8.2(a), except for proceedings to enforce rights to indemnification and advancement of expenses, the Corporation shall indemnify and advance expenses to an indemnitee in connection with a proceeding (or part thereof) initiated by such indemnitee only if such proceeding (or part thereof) was authorized by the Board.

(b) The rights to indemnification and advancement of expenses conferred on any indemnitee by this Section 8.2 shall not be exclusive of any other rights that any indemnitee may have or hereafter acquire under law, this Amended and Restated Certificate, the Bylaws, an agreement, vote of stockholders or disinterested directors, or otherwise.

(c) Any repeal or amendment of this Section 8.2 by the stockholders of the Corporation or by changes in law, or the adoption of any other provision of this Amended and Restated Certificate inconsistent with this Section 8.2, shall, unless otherwise required by law, be prospective only (except to the extent such amendment or change in law permits the Corporation to provide broader indemnification rights on a retroactive basis than permitted prior thereto), and shall not in any way diminish or adversely affect any right or protection existing at the time of such repeal or amendment or adoption of such inconsistent provision in respect of any proceeding (regardless of when such proceeding is first threatened, commenced or completed) arising out of, or related to, any act or omission occurring prior to such repeal or amendment or adoption of such inconsistent provision.

(d) This Section 8.2 shall not limit the right of the Corporation, to the extent and in the manner authorized or permitted by law, to indemnify and to advance expenses to persons other than indemnitees.

ARTICLE IX
AMENDMENT OF AMENDED AND RESTATED CERTIFICATE OF INCORPORATION

The Corporation reserves the right at any time and from time to time to amend, alter, change or repeal any provision contained in this Amended and Restated Certificate (including any Preferred Stock Designation), and other provisions authorized by the laws of the State of Delaware at the time in force that may be added or inserted, in the manner now or hereafter prescribed by this Amended and Restated Certificate and the DGCL; and, except as set forth in *Article VIII*, all rights, preferences and privileges of whatever nature herein conferred upon stockholders, directors or any other persons by and pursuant to this Amended and Restated Certificate in its present form or as hereafter amended are granted subject to the right reserved in this *Article XI*. Notwithstanding any other provisions of this Amended and Restated Certificate of Incorporation or any provision of applicable law which might otherwise permit a lesser vote, but in addition to any affirmative vote of the holders of any particular class or series of the capital stock of the Corporation required by law or by this Amended and Restated Certificate of Incorporation or any certificate of designation filed with respect to a series of Preferred Stock, the affirmative vote of (i) two-thirds (2/3) of the directors then in office and (ii) the holders of at least sixty -six and two-thirds percent (66 2/3%) of the then

outstanding shares of capital stock of the Corporation entitled to vote generally in the election of directors, voting together as a single class, shall be required to amend, alter, change or repeal *Article V* and *Article IX*.

ARTICLE X
EXCLUSIVE FORUM FOR CERTAIN LAWSUITS; CONSENT TO JURISDICTION

Section 10.1 Forum. Subject to the last sentence in this Section 10.1, and unless the Corporation consents in writing to the selection of an alternative forum, to the fullest extent permitted by the applicable law, the Court of Chancery of the State of Delaware shall be the sole and exclusive forum for any stockholder (including a beneficial owner) to bring (i) any derivative action or proceeding brought on behalf of the Corporation, (ii) any action asserting a claim of breach of a fiduciary duty owed by any director, officer or other employee of the Corporation to the Corporation or the Corporation's stockholders, (iii) any action asserting a claim against the Corporation, its directors, officers or employees arising pursuant to any provision of the DGCL or this Amended and Restated Certificate or the Bylaws, or (iv) any action asserting a claim against the Corporation, its directors, officers or employees governed by the internal affairs doctrine and, if brought outside of Delaware, the stockholder bringing the suit will be deemed to have consented to service of process on such stockholder's counsel except any action (A) as to which the Court of Chancery in the State of Delaware determines that there is an indispensable party not subject to the jurisdiction of the Court of Chancery (and the indispensable party does not consent to the personal jurisdiction of the Court of Chancery within ten days following such determination), (B) which is vested in the exclusive jurisdiction of a court or forum other than the Court of Chancery, or (C) for which the Court of Chancery does not have subject matter jurisdiction. Notwithstanding the foregoing, (i) the provisions of this Section 10.1 will not apply to suits brought to enforce any liability or duty created by the Securities Exchange Act of 1934, as amended, or any other claim for which the federal courts have exclusive jurisdiction and (ii) unless the Corporation consents in writing to the selection of an alternative forum, the federal district courts of the United States of America shall, to the fullest extent permitted by law, be the exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act of 1933, as amended, or the rules and regulations promulgated thereunder.

Section 10.2 Consent to Jurisdiction. If any action the subject matter of which is within the scope of Section 10.1 immediately above is filed in a court other than a court located within the State of Delaware (a "***Foreign Action***") in the name of any stockholder, such stockholder shall be deemed to have consented to (i) the personal jurisdiction of the state and federal courts located within the State of Delaware in connection with any action brought in any such court to enforce Section 10.1 immediately above (an "***FSC Enforcement Action***") and (ii) having service of process made upon such stockholder in any such FSC Enforcement Action by service upon such stockholder's counsel in the Foreign Action as agent for such stockholder.

Section 10.3 Severability. If any provision or provisions of this *Article X* shall be held to be invalid, illegal or unenforceable as applied to any person or entity or circumstance for any reason whatsoever, then, to the fullest extent permitted by law, the validity, legality and enforceability of such provisions in any other circumstance and of the remaining provisions of this *Article X* (including, without limitation, each portion of any sentence of this *Article X* containing any such provision held to be invalid, illegal or unenforceable that is not itself held to be invalid, illegal or unenforceable) and the application of such provision to other persons or entities and circumstances shall not in any way be affected or impaired thereby. Any person or entity purchasing or otherwise acquiring any interest in shares of capital stock of the Corporation shall be deemed to have notice of and consented to the provisions of this *Article X*.

Section 10.4 Deemed Notice. Any person or entity purchasing or otherwise acquiring or holding any interest in any security of the Corporation shall be deemed to have notice of and consented to this *Article X*.

IN WITNESS WHEREOF, Alpha Healthcare Acquisition Corp. has caused this Amended and Restated Certificate to be duly executed and acknowledged in its name and on its behalf by an authorized officer as of the date first set forth above.

ALPHA HEALTHCARE ACQUISITION CORP.

By: /s/ Rajiv Shukla

Name: Rajiv Shukla

Title:C hief Executive Officer

CERTIFICATE OF AMENDMENT
TO THE
SECOND AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION
OF
HUMACYTE, INC.

Humacyte, Inc. (the "***Corporation***"), a corporation duly organized and existing under the General Corporation Law of the State of Delaware (the "***DGCL***"), does hereby certify that:

FIRST: The original certificate of incorporation of the Corporation was filed with the Secretary of State of the State of Delaware on July 1, 2020. The Corporation filed an amended and restated certificate of incorporation with the Secretary of State of the State of Delaware on September 17, 2020. The Corporation filed a second amended and restated certificate of incorporation with the Secretary of State of the State of Delaware on August 26, 2021 (the "***Second Amended and Restated Certificate***").

SECOND: The amendment to the Second Amended and Restated Certificate set forth below was duly adopted by the board of directors and the stockholders of the Corporation in accordance with Sections 228 and 242 of the DGCL.

THIRD: Section 4.1 of Article IV of the Second Amended and Restated Certificate is hereby amended and restated in its entirety to read as follows:

"Section 4.1 Authorized Capital Stock. The total number of shares of all classes of capital stock, each with a par value of $0.0001 per share, which the Corporation is authorized to issue is 370,000,000 shares, consisting of (a) 350,000,000 shares of common stock (the "***Common Stock***") and (b) 20,000,000 shares of preferred stock (the "***Preferred Stock***")."

FOURTH: This Certificate of Amendment to the Second Amended and Restated Certificate shall be effective upon filing with the Secretary of State of the State of Delaware. Except as herein amended, all other provisions of the Second Amended and Restated Certificate remain in full force and effect.

* * * *

IN WITNESS WHEREOF, the Corporation has caused this Certificate of Amendment to be executed by the undersigned authorized officer as of the 10th day of June, 2025.

By: /s/ Dale Sander

Dale Sander

Chief Financial Officer, Chief Corporate Officer, and Treasurer

CERTIFICATE OF AMENDMENT TO THE
SECOND AMENDED AND RESTATED CERTIFICATE
OF INCORPORATION OF
HUMACYTE, INC.

Humacyte, Inc. (the "***Corporation***"), a corporation duly organized and existing under the General Corporation Law of the State of Delaware (the "***DGCL***"), does hereby certify that:

FIRST: The original certificate of incorporation of the Corporation was filed with the Secretary of State of the State of Delaware on July 1, 2020. The Corporation filed an amended and restated certificate of incorporation with the Secretary of State of the State of Delaware on September 17, 2020. The Corporation filed a second amended and restated certificate of incorporation with the Secretary of State of the State of Delaware on August 26, 2021, and filed a certificate of amendment to the second amended and restated certificate of incorporation with the Secretary of State of the State of Delaware on June 10, 2025 (as so amended, the "***Second Amended and Restated Certificate***").

SECOND: The amendment to the Second Amended and Restated Certificate set forth below was duly adopted by the board of directors and the stockholders of the Corporation in accordance with Sections 228 and 242 of the DGCL.

THIRD: Section 4.1 of Article IV of the Second Amended and Restated Certificate is hereby amended and restated in its entirety to read as follows:

"Section 4.1 Authorized Capital Stock. The total number of shares of all classes of capital stock, each with a par value of $0.0001 per share, which the Corporation is authorized to issue is 570,000,000 shares, consisting of (a) 550,000,000 shares of common stock (the "***Common Stock***") and (b) 20,000,000 shares of preferred stock (the "***Preferred Stock***")."

FOURTH: This Certificate of Amendment to the Second Amended and Restated Certificate shall be effective upon filing with the Secretary of State of the State of Delaware. Except as herein amended, all other provisions of the Second Amended and Restated Certificate remain in full force and effect.

* * * *

IN WITNESS WHEREOF, the Corporation has caused this Certificate of Amendment to be executed by the undersigned authorized officer as of the 9th day of June, 2026.

By: /s/ Dale A. Sander
Dale A. Sander
Chief Financial Officer, Chief Corporate Development Officer, and Treasurer

Exhibit 4.1

THIS WARRANT AND THE SHARES ISSUABLE HEREUNDER HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR THE SECURITIES LAWS OF ANY STATE AND, EXCEPT AS SET FORTH IN SECTION 4(a) AND SECTION 5(c) BELOW, MAY NOT BE OFFERED, SOLD, PLEDGED OR OTHERWISE TRANSFERRED UNLESS AND UNTIL REGISTERED UNDER SAID ACT AND LAWS OR SUCH OFFER, SALE, PLEDGE OR OTHER TRANSFER IS EXEMPT FROM SUCH REGISTRATION.

COMMON STOCK PURCHASE WARRANT
HUMACYTE, INC.

Warrant Shares: 240,000 Issue Date: May 27, 2026

THIS COMMON STOCK PURCHASE WARRANT (this "Warrant") certifies that, for value received, Mayo Clinic, a Minnesota not-for-profit corporation, or its permitted assigns (the "Holder"), is entitled, upon the terms and subject to the limitations on exercise and the conditions hereinafter set forth, to subscribe for and purchase from Humacyte, Inc., a Delaware corporation (the "Company"), up to an aggregate of 240,000 shares (as subject to adjustment hereunder, the "Warrant Shares") of Common Stock, as defined in Section 1. The purchase price of one share of Common Stock under this Warrant shall be equal to the Exercise Price, as defined in Section 2(c).

Section 1. Definitions. In addition to the terms defined elsewhere in this Warrant, for all purposes of this Warrant, the following terms have the meanings set forth in this Section 1:

"Affiliate" means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person as such terms are used in and construed under Rule 405 under the Securities Act.

"Business Day" means any day other than Saturday, Sunday or other day on which commercial banks in The City of New York are authorized or required by law to remain closed; provided, however, for clarification, commercial banks shall not be deemed to be authorized or required by law to remain closed due to "stay at home", "shelter-in-place", "non-essential employee" or any other similar orders or restrictions or the closure of any physical branch locations at the direction of any governmental authority so long as the electronic funds transfer systems (including for wire transfers) of commercial banks in The City of New York generally are open for use by customers on such day.

"Commission" means the United States Securities and Exchange Commission.

"Common Stock" means the common stock of the Company, par value $0.0001 per share, and any other class of securities into which such securities may hereafter be reclassified or changed.

"Exchange Act" means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

"Person" means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind.

"Rule 144" means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

"Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

"Services Agreement" means that certain Intercompany Services Agreement dated April 1, 2026, by and among the Company and Mayo Foundation for Medical Education and Research, as amended, restated or otherwise modified from time to time.

"Trading Day" means a day on which the principal Trading Market is open for trading.

"Trading Market" means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE American, The Nasdaq Capital Market, The Nasdaq Global Market, The Nasdaq Global Select Market, the New York Stock Exchange, OTCQB or OTCQX (or any successors to any of the foregoing).

"Transfer Agent" means Continental Stock Transfer & Trust Company, the current transfer agent of the Company, with a mailing address of 1 State Street, 30th Floor, New York, NY 10004, and any successor transfer agent of the Company.

Section 2. Exercise.

(a) Term; Vesting. This Warrant shall be exercisable in three equal tranches each consisting of 80,000 Warrant Shares, with the aggregate number of Warrant Shares issuable under this Warrant not to exceed 240,000 (subject to adjustment as provided in this Warrant). The (i) first tranche of 80,000 Warrant Shares shall be exercisable commencing on March 31, 2027, (ii) second tranche of 80,000 Warrant Shares shall be exercisable commencing on March 31, 2028, and (iii) third tranche of 80,000 Warrant Shares shall be exercisable commencing on March 31, 2029 (each such date, an "Exercise Date"); provided, however, that each tranche of Warrant Shares shall not become exercisable on the applicable Exercise Date if, on such Exercise Date, the Services Agreement (or any successor agreement thereto) shall have been terminated, shall have expired or shall otherwise no longer be in full force and effect. This Warrant shall expire and no Warrant Shares, whether vested or unvested, shall be exercisable on May 27, 2031 (the "Termination Date"). Following the Termination Date, this Warrant shall be void in all respects.

(b) Exercise of Warrant. Any portion of this Warrant that has become exercisable pursuant to Section 2(a) may be exercised, in whole or in part, at any time or times on or after the Exercise Date applicable to such tranche of Warrant Shares and on or before the Termination Date by delivery to the Company of a duly executed copy submitted by email (or email attachment) of the Notice of Exercise in the form annexed hereto (the "Notice of Exercise"). Within the earlier of: (i) one Trading Day and (ii) the number of Trading Days comprising the Standard Settlement Period (as defined below), in each case following the date of exercise as aforesaid, the Holder shall deliver the aggregate Exercise Price for the Warrant Shares specified in the applicable Notice of Exercise by wire transfer or cashier's check drawn on a United States bank unless the cashless exercise procedure specified in Section 2(e) below is specified in the applicable Notice of Exercise. No ink-original Notice of Exercise shall be required, nor shall any medallion guarantee (or other type of guarantee or notarization) of any Notice of Exercise be required. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and this Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within three Trading Days of the date on which the final Notice of Exercise is delivered to the Company. Partial exercises of this Warrant resulting in purchases of a portion of the total number of Warrant Shares available hereunder shall have the effect of lowering the outstanding number of Warrant Shares purchasable hereunder in an amount equal to the applicable number of Warrant Shares so purchased. The Holder and the Company shall maintain records showing the number of Warrant Shares purchased and the date of such purchases. The Company shall deliver any objection to any Notice of Exercise within one Trading Day of receipt of such notice. **The Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this paragraph, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.**

(c) Exercise Price. The exercise price per share of Common Stock under this Warrant shall be $1.11, subject to adjustment hereunder (the "Exercise Price").

(d) Mechanics of Exercise.

i. Delivery of Warrant Shares Upon Exercise. The Company shall cause the Warrant Shares issued in connection with an exercise of the Warrant to be transmitted by the Transfer Agent to the Holder by crediting the account of the Holder's or its designee's balance account with The Depository Trust Company through its Deposit or Withdrawal at Custodian system ("DWAC"), if the Company is then a participant in such system, or otherwise by physical delivery of a certificate, registered in the Company's share register in the name of the Holder or its designee, for the number of Warrant Shares to which the Holder is entitled pursuant to such exercise to the address specified by the Holder in the Notice of Exercise by the date that is the earliest of (A) one Trading Day after the delivery to the Company of the Notice of Exercise, (B) the number of Trading Days comprising the Standard Settlement Period after the delivery to the Company of the Notice of Exercise and (C) one Trading Day after delivery of the aggregate Exercise Price (other than in the case of a cashless exercise pursuant to Section 2(e)) to the Company (such date, the "Warrant Share Delivery Date"). Upon delivery of the Notice of Exercise, the Holder shall be deemed for all corporate purposes to have become the holder of record of the Warrant Shares with respect to which this Warrant has been exercised, irrespective of the date of delivery of the Warrant Shares, provided that payment of the aggregate Exercise Price is received by the Warrant Share Delivery Date. The Company agrees to maintain a transfer agent that is a participant in the Fast Automated Securities Transfer Program so long as this Warrant remains outstanding and exercisable. As used herein, "Standard Settlement Period" means the standard settlement period, expressed in a number of Trading Days, on the Company's primary Trading Market with respect to the Common Stock as in effect on the date of delivery of the Notice of Exercise.

ii. Delivery of New Warrants Upon Exercise. If this Warrant shall have been exercised in part, the Company shall, at the request of a Holder and upon surrender of this Warrant certificate, at the time of delivery of the Warrant Shares, deliver to the Holder a new Warrant evidencing the rights of the Holder to purchase the unpurchased Warrant Shares called for by this Warrant, which new Warrant shall in all other respects be identical with this Warrant.

iii. Rescission Rights. If the Company fails to cause the Transfer Agent to transmit to the Holder the Warrant Shares pursuant to Section 2(d)(i) by the Warrant Share Delivery Date, then the Holder will have the right to rescind such exercise.

iv. No Fractional Shares or Scrip. No fractional shares or scrip representing fractional shares shall be issued upon the exercise of this Warrant. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such exercise, the number of Warrant Shares to be issued shall be rounded down to the nearest whole number and the Company shall pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Exercise Price.

v. Charges, Taxes and Expenses. Issuance of Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such Warrant Shares, all of which taxes and expenses shall be paid by the Company, and such Warrant Shares shall be issued in the name of the Holder or in such name or names as may be directed by the Holder; provided, however, that, in the event that Warrant Shares are to be issued in a name other than the name of the Holder, this Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached hereto duly executed by the Holder and the Company may require, as a condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto. The Company shall pay all Transfer Agent fees required for same-day processing of any Notice of Exercise and all fees to The Depository

Trust Company (or another established clearing corporation performing similar functions) required for same-day electronic delivery of the Warrant Shares.

(e) Cashless Exercise. This Warrant may also be exercised, in whole or in part, by means of a "cashless exercise" in which the Holder shall be entitled to receive a number of Warrant Shares equal to the quotient obtained by dividing [(A-B) (X)] by (A), where:

(A) = as applicable: (i) the VWAP on the Trading Day immediately preceding the date of the applicable Notice of Exercise if such Notice of Exercise is (1) delivered pursuant to Section 2(a) hereof on a day that is not a Trading Day or (2) delivered pursuant to Section 2(a) hereof on a Trading Day prior to the opening of "regular trading hours" (as defined in Rule 600(b) of Regulation NMS promulgated under the federal securities laws) on such Trading Day, (ii) at the option of the Holder, either (y) the VWAP on the Trading Day immediately preceding the date of the applicable Notice of Exercise or (z) the highest Bid Price of the Common Stock on the principal Trading Market as reported by Bloomberg L.P. ("Bloomberg") within two (2) hours of the time of the Holder's delivery of Holder's Notice of Exercise pursuant to Section 2(a) hereof if such Notice of Exercise is delivered during "regular trading hours" on a Trading Day or within two hours after the close of "regular trading hours" on a Trading Day pursuant to Section 2(a) hereof or (iii) the VWAP on the date of the applicable Notice of Exercise if the date of such Notice of Exercise is a Trading Day and such Notice of Exercise is delivered pursuant to Section 2(a) hereof later than two (2) hours after the close of "regular trading hours" on such Trading Day;

(B) = the Exercise Price of this Warrant, as adjusted hereunder; and

(X) = the number of Warrant Shares that would be issuable upon exercise of this Warrant in accordance with the terms of this Warrant if such exercise were by means of a cash exercise rather than a cashless exercise.

"Bid Price" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on a Trading Market, other than the OTCQB or OTCQX, the bid price of the Common Stock for the time in question (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if the Common Stock are then listed or quoted on the OTCQB or OTCQX, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQX as applicable, (c) if the Common Stock is not then listed or quoted for trading on a Trading Market and if prices for the Common Stock are then reported on The Pink Open Market (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Common Stock so reported, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the Holders of a majority in interest of the Securities then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

"VWAP" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on a Trading Market, other than the OTCQB or OTCQX, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if the Common Stock are then listed or quoted on the OTCQB or OTCQX, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQX as applicable, (c) if the Common Stock is not then listed or quoted for trading on a Trading Market and if prices for the Common Stock are then reported on The Pink Open Market (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Common Stock so reported, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the Holders of a majority in interest of the Warrants then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

Section 3. Certain Adjustments.

(a) Stock Dividends and Splits. If the Company, at any time while this Warrant is outstanding: (i) pays a stock dividend or otherwise makes a distribution or distributions on shares of its Common Stock or any other equity or equity equivalent securities payable in shares of Common Stock (which, for avoidance of doubt, shall not include any shares of Common Stock issued by the Company upon exercise of this Warrant), (ii) subdivides outstanding shares of Common Stock into a larger number of shares, (iii) combines (including by way of reverse stock split) outstanding shares of Common Stock into a smaller number of shares, or (iv) issues by reclassification of shares of Common Stock any shares of capital stock of the Company, then in each case the Exercise Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Common Stock (excluding treasury shares, if any) outstanding immediately before such event and of which the denominator shall be the number of shares of Common Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate Exercise Price of this Warrant shall remain unchanged. Any adjustment made pursuant to this Section 3(a) shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and shall become effective immediately after the effective date in the case of a subdivision, combination or re-classification.

(b) Fundamental Transaction. If, at any time while this Warrant is outstanding, (i) the Company, directly or indirectly, in one or more related transactions effects any merger or consolidation of the Company with or into another Person, (ii) the Company (including all of its subsidiaries, taken as a whole) directly or indirectly, effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets, taken as a whole, in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (whether by the Company or another Person) is completed pursuant to which holders of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50% or more of the outstanding Common Stock or 50% or more of the voting power of the outstanding common equity of the Company, (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property, or (v) the Company, directly or indirectly, in one or more related transactions consummates a stock or share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off, merger or scheme of arrangement) with another Person or group of Persons whereby such other Person or group acquires 50% or more of the outstanding shares of Common Stock or 50% or more of the voting power of the outstanding common equity of the Company (each a "Fundamental Transaction"), then, upon any subsequent exercise of this Warrant, the Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, at the option of the Holder, the number of shares of Common Stock of the successor or acquiring corporation or of the Company, if it is the surviving corporation, and any additional consideration (the "Alternate Consideration") receivable as a result of such Fundamental Transaction by a holder of the number of shares of Common Stock for which this Warrant is exercisable immediately prior to such Fundamental Transaction. For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any exercise of this Warrant following such Fundamental Transaction. Notwithstanding anything to the contrary, in the event of a Fundamental Transaction, the Company or any Successor Entity (as defined below) shall, at the Holder's option, exercisable at any time concurrently with, or within 30 days after, the consummation of the Fundamental Transaction (or, if later, the date of the public announcement of the applicable Fundamental Transaction), purchase this Warrant from the Holder by paying to the Holder an amount of cash equal to the Black Scholes Value (as defined below) of the remaining unexercised portion of this Warrant on the date of the consummation of such Fundamental Transaction; provided, however, that, if the Fundamental Transaction is not within the Company's control, including not approved by the Company's Board of Directors, Holder shall only be entitled to receive from the Company or any Successor Entity, the same type or form of consideration (and in the same proportion), valued at the Black Scholes Value of the unexercised portion of this

Warrant, that is being offered and paid to the holders of Common Stock of the Company in connection with the Fundamental Transaction, whether that consideration be in the form of cash, stock or any combination thereof, or whether the holders of Common Stock are given the choice to receive from among alternative forms of consideration in connection with the Fundamental Transaction; provided, further, that if holders of Common Stock of the Company are not offered or paid any consideration in such Fundamental Transaction, such holders of Common Stock will be deemed to have received common stock of the Successor Entity (which Entity may be the Company following such Fundamental Transaction) in such Fundamental Transaction. "Black Scholes Value" means the value of this Warrant based on the Black-Scholes Option Pricing Model obtained from the "OV" function on Bloomberg determined as of the day of consummation of the applicable Fundamental Transaction for pricing purposes and reflecting (A) a risk-free interest rate corresponding to the U.S. Treasury rate for a period equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Termination Date, (B) an expected volatility equal to the greater of 100% and the 100 day volatility obtained from the HVT function on Bloomberg (determined utilizing a 365 day annualization factor) as of the Trading Day immediately following the public announcement of the applicable Fundamental Transaction, (C) the underlying price per share used in such calculation shall be the greater of (i) the sum of the price per share being offered in cash, if any, plus the value of any non-cash consideration, if any, being offered in such Fundamental Transaction and (ii) the highest VWAP during the period beginning on the Trading Day immediately preceding the public announcement of the applicable Fundamental Transaction (or the consummation of the applicable Fundamental Transaction, if earlier) and ending on the Trading Day of the Holder's request pursuant to this Section 3(b) and (D) a remaining option time equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Termination Date and (E) a zero cost of borrow. The payment of the Black Scholes Value will be made by wire transfer of immediately available funds (or such other consideration) within the later of (i) five Business Days of the Holder's election and (ii) the date of consummation of the Fundamental Transaction. The Company shall cause any successor entity in a Fundamental Transaction in which the Company is not the survivor (the "Successor Entity") to assume in writing all of the obligations of the Company under this Warrant in accordance with the provisions of this Section 3(b) pursuant to written agreements in form and substance reasonably satisfactory to the Holder and approved by the Holder (without unreasonable delay) prior to such Fundamental Transaction and shall, at the option of the Holder, deliver to the Holder in exchange for this Warrant a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to this Warrant which is exercisable for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity) equivalent to the shares of Common Stock acquirable and receivable upon exercise of this Warrant (without regard to any limitations on the exercise of this Warrant) prior to such Fundamental Transaction, and with an exercise price which applies the exercise price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such number of shares of capital stock and such exercise price being for the purpose of protecting the economic value of this Warrant immediately prior to the consummation of such Fundamental Transaction), and which is reasonably satisfactory in form and substance to the Holder; provided, however, that if the Successor Entity or an affiliate thereof elects not to assume or otherwise terminates the Services Agreement (or a successor agreement thereto then in effect), no additional Warrant Shares shall vest following such termination; provided further that the Holder shall retain the right to exercise this Warrant with respect to any vested but unexercised Warrant Shares, or to exercise its option to receive the Black-Scholes Value with respect to, any Warrant Shares that are vested as of such time, in each case pursuant to the terms and subject to the conditions set forth herein. Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Warrant referring to the "Company" shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Warrant with the same effect as if such Successor Entity had been named as the Company herein.

(c) Calculations. All calculations under this Section 3 shall be made to the nearest cent or the nearest 1/100th of a share, as the case may be. For purposes of this Section 3, the number of shares of Common Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Common Stock (excluding treasury shares, if any) issued and outstanding.

(d) Notice to Holder.

i. Adjustment to Exercise Price. Whenever the Exercise Price is adjusted pursuant to any provision of this Section 3, the Company shall promptly deliver to the Holder by email a notice setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of Warrant Shares and setting forth a brief statement of the facts requiring such adjustment.

ii. Notice to Allow Exercise by Holder. If (A) the Company shall declare a dividend (or any other distribution in whatever form) on the Common Stock, (B) the Company shall declare a special nonrecurring cash dividend on or a redemption of the Common Stock, (C) the Company shall authorize the granting to all holders of the Common Stock rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, (D) the approval of any stockholders of the Company shall be required in connection with any reclassification of the Common Stock, any consolidation or merger to which the Company (or any of its Subsidiaries) is a party, any sale or transfer of all or substantially all of the assets of the Company, or any compulsory share exchange whereby the Common Stock is converted into other securities, cash or property, or any Fundamental Transaction, or (E) the Company shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Company, then, in each case, the Company shall cause to be delivered by email to the Holder at its last email address as it shall appear upon the Warrant Register of the Company, at least 10 calendar days prior to the applicable record or effective date hereinafter specified, a notice (unless such information is publicly filed with the Commission using its EDGAR system, in which case a notice shall not be required) stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Common Stock of record to be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such reclassification, consolidation, merger, sale, transfer or share exchange is expected to become effective or close, and the date as of which it is expected that holders of the Common Stock of record shall be entitled to exchange their shares of the Common Stock for securities, cash or other property deliverable upon such reclassification, consolidation, merger, sale, transfer or share exchange; provided that the failure to deliver such notice or any defect therein or in the delivery thereof shall not affect the validity of the corporate action required to be specified in such notice. To the extent that any notice provided in this Warrant constitutes, or contains, material, non-public information regarding the Company or any of the Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. The Holder shall remain entitled to exercise this Warrant during the period commencing on the date of such notice to the effective date of the event triggering such notice except as may otherwise be expressly set forth herein.

Section 4. Transfer of Warrant.

(a) Transferability. Neither this Warrant nor any of the rights hereunder may be transferred, in whole or in part, without the prior written consent of the Company. Notwithstanding the foregoing, the Holder may transfer Warrant Shares (but not this Warrant) without the Company's prior written consent to Todd E. Rasmussen, M.D. ("Dr. Rasmussen"), in accordance with Holder's internal royalty sharing policy and applicable federal and state securities laws. This Warrant and the Warrant Shares may not be transferred or assigned in whole or in part except in compliance with applicable federal and state securities laws by the transferor and the transferee (including, without limitation, the delivery of investment representation letters and legal opinions reasonably satisfactory to the Company, as reasonably requested by the Company). The Company shall not require Holder to provide an opinion of counsel if the transfer is to any Affiliate of the Holder or Dr. Rasmussen, provided that any such transferee is an "accredited investor" as defined in Regulation D promulgated under the Securities Act. Additionally, the Company shall also not require an opinion of counsel if there is no material question as to the availability of Rule 144.

(b) New Warrants. This Warrant may be divided or combined with other Warrants upon presentation hereof at the aforesaid office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to

compliance with Section 4(a), as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated the Issue Date of this Warrant and shall be identical with this Warrant except as to the number of Warrant Shares issuable pursuant thereto.

(c) Warrant Register. The Company shall register this Warrant, upon records to be maintained by the Company for that purpose (the "Warrant Register"), in the name of the record Holder hereof from time to time. The Company may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary.

Section 5. Miscellaneous.

(a) No Rights as Stockholder Until Exercise; No Settlement in Cash. This Warrant does not entitle the Holder to any voting rights, dividends or other rights as a stockholder of the Company prior to the exercise hereof as set forth in Section 2(d)(i), except as expressly set forth in Section 3. Without limiting the rights of a Holder to receive Warrant Shares on a "cashless exercise" pursuant to Section 2(e), or to receive cash payments contemplated by Section 2(d)(iv), in no event will the Company be required to net cash settle an exercise of this Warrant.

(b) Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon receipt by the Company of evidence reasonably satisfactory to it of the loss, theft, destruction or mutilation of this Warrant or any stock certificate relating to the Warrant Shares, and in case of loss, theft or destruction, of indemnity or security reasonably satisfactory to it (which, in the case of the Warrant, shall not include the posting of any bond), and upon surrender and cancellation of such Warrant or stock certificate, if mutilated, the Company will make and deliver a new Warrant or stock certificate of like tenor and dated as of such cancellation, in lieu of such Warrant or stock certificate.

(c) Legends.

i. The Warrant Shares shall be imprinted with a legend in substantially the following form:

> THE SHARES EVIDENCED BY THIS CERTIFICATE HAVE NOT BEEN REGISTERED UNDER THE SECURITIES ACT OF 1933, AS AMENDED, OR THE SECURITIES LAWS OF ANY STATE AND, EXCEPT AS SET FORTH IN THAT CERTAIN WARRANT TO PURCHASE COMMON STOCK ISSUED BY THE COMPANY TO MAYO CLINIC DATED MAY 27, 2026, MAY NOT BE OFFERED, SOLD, PLEDGED OR OTHERWISE TRANSFERRED UNLESS AND UNTIL REGISTERED UNDER SAID ACT AND LAWS, OR UNLESS AND UNTIL SUCH OFFER, SALE, PLEDGE OR OTHER TRANSFER IS EXEMPT FROM REGISTRATION THEREUNDER.

ii. Subject to Section 4(a), the Company shall, upon the reasonable request of the Holder and to the extent permitted under applicable securities laws, use commercially reasonable efforts to remove any restrictive legends in connection with a sale of the Warrant Shares and to facilitate transfers of such shares pursuant to Rule 144.

(d) Saturdays, Sundays, Holidays, etc. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Trading Day, then such action may be taken or such right may be exercised on the next succeeding Trading Day.

(e) Authorized Shares.

i. The Company covenants that, during the period the Warrant is outstanding, it will reserve and keep available from its authorized and unissued Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of this Warrant. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of issuing the necessary Warrant Shares upon the exercise of this Warrant. The Company will take all such reasonable action as may be necessary to assure that such Warrant Shares may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of the Trading Market upon which the Common Stock may be listed. The Company covenants that all Warrant Shares which may be issued upon the exercise of this Warrant will, upon exercise hereunder and payment for such Warrant Shares in accordance herewith, be duly authorized, validly issued, fully paid and nonassessable and free from all taxes, liens and charges created by the Company in respect of the issue thereof (other than taxes in respect of any transfer occurring contemporaneously with such issue).

ii. Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate of incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (i) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (ii) take all such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable Warrant Shares upon the exercise of this Warrant and (iii) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be, necessary to enable the Company to perform its obligations under this Warrant.

iii. Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

(f) Governing Law; Jurisdiction and Venue. This Warrant shall be governed by and construed in accordance with the laws of the State of Delaware, without giving effect to its principles regarding conflicts of law. The Company and the Holder each irrevocably and unconditionally submit to the exclusive jurisdiction of the State and Federal courts in the State of Delaware.

(g) Restrictions. The Holder acknowledges that the Warrant Shares acquired upon the exercise of this Warrant, if the Holder does not utilize cashless exercise, will have restrictions upon resale imposed by state and federal securities laws.

(h) Nonwaiver and Expenses. No course of dealing or any delay or failure to exercise any right hereunder on the part of Holder shall operate as a waiver of such right or otherwise prejudice the Holder's rights, powers or remedies.

(i) Notices. Any notice, request or other document required or permitted to be given or delivered to the Holder by the Company shall be delivered in accordance with the notice provisions of the Services Agreement, which provisions are incorporated herein by reference for purposes of this Warrant, and shall remain in effect for such purpose notwithstanding any expiration, termination or other cessation of the Services Agreement.

(j) Limitation of Liability. No provision hereof, in the absence of any affirmative action by the Holder to exercise this Warrant to purchase Warrant Shares, and no enumeration herein of the rights or

privileges of the Holder, shall give rise to any liability of the Holder for the purchase price of any Common Stock or as a stockholder of the Company, whether such liability is asserted by the Company or by creditors of the Company.

(k) Remedies. The Holder, in addition to being entitled to exercise all rights granted by law, including recovery of damages, will be entitled to specific performance of its rights under this Warrant. The Company agrees that monetary damages would not be adequate compensation for any loss incurred by reason of a breach by it of the provisions of this Warrant and hereby agrees to waive and not to assert the defense in any action for specific performance that a remedy at law would be adequate.

(l) Successors and Assigns. Subject to applicable securities laws, this Warrant and the rights and obligations evidenced hereby shall inure to the benefit of and be binding upon the successors and permitted assigns of the Company and the successors and permitted assigns of Holder. The provisions of this Warrant are intended to be for the benefit of any Holder from time to time of this Warrant and shall be enforceable by the Holder or holder of Warrant Shares.

(m)Amendment. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company, on the one hand, and the Holder of this Warrant, on the other hand.

(n) Severability. Wherever possible, each provision of this Warrant shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Warrant shall be prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provisions or the remaining provisions of this Warrant.

(o) Headings. The headings used in this Warrant are for the convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

****

(Signature Page Follows)

IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its officer thereunto duly authorized as of the date first above indicated.

HUMACYTE, INC.

By: /s/ Dale A. Sander

Name: Dale A. Sander
Title: Chief Financial Officer

EXHIBIT A

NOTICE OF EXERCISE

TO: HUMACYTE, INC.

(1) The undersigned hereby elects to purchase __Warrant Shares of the Company pursuant to the terms of the attached Warrant, and tenders herewith payment of the exercise price in full, together with all applicable transfer taxes, if any.

(2) Payment shall take the form of (check applicable box): [ ] in lawful money of the United States; or

[ ] [if permitted the cancellation of such number of Warrant Shares as is necessary, in accordance with the formula set forth in subsection 2(e), to exercise this Warrant with respect to the maximum number of Warrant Shares purchasable pursuant to the cashless exercise procedure set forth in subsection 2(e).

(3) Please issue said Warrant Shares in the name of the undersigned or in such other name as is specified below:

The Warrant Shares shall be delivered to the following DWAC Account Number:

[SIGNATURE OF HOLDER]

Name of Investing Entity: ____

Signature of Authorized Signatory of Investing Entity: ____

Name of Authorized Signatory: ____

Title of Authorized Signatory: ____

Date: ___

EXHIBIT B

ASSIGNMENT FORM

(To assign the foregoing Warrant, execute this form and supply required information. Do not use this form to exercise the Warrant to purchase shares.)

FOR VALUE RECEIVED, the foregoing Warrant and all rights evidenced thereby are hereby assigned to

Name:

(Please Print)

Address:

(Please Print)

Phone Number:
Email Address:
Dated: ___, ___

Holder's Signature:

Holder's Address:

Exhibit 31.1

CERTIFICATION

I, Laura E. Niklason, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Humacyte, Inc. for the quarter ended June 30, 2026;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

    a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

    b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

    c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

    d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

    a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 12, 2026

By: /s/ Laura E. Niklason

Name: Laura E. Niklason, M.D., Ph.D.

Title: President and Chief Executive Officer

Exhibit 31.2

CERTIFICATION

I, Dale A. Sander, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Humacyte, Inc. for the quarter ended June 30, 2026;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

    a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

    b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

    c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

    d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

    a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 12, 2026

By: /s/ Dale A. Sander

Name: Dale A. Sander

Title: Chief Financial Officer, Chief Corporate Development Officer and Treasurer

Exhibit 32.1

CERTIFICATION

In connection with the Quarterly Report on Form 10-Q of Humacyte, Inc. (the "Company") for the quarter ended June 30, 2026 (the "Report"), as filed with the Securities and Exchange Commission on the date hereof, I, Laura E. Niklason, President and Chief Executive Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to the best of my knowledge:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and

2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: August 12, 2026

By: /s/ Laura E. Niklason

Name: Laura E. Niklason, M.D., Ph.D.

Title: President and Chief Executive Officer

Exhibit 32.2

CERTIFICATION

In connection with the Quarterly Report on Form 10-Q of Humacyte, Inc. (the "Company") for the quarter ended June 30, 2026 (the "Report"), as filed with the Securities and Exchange Commission on the date hereof, I, Dale A. Sander, Chief Financial Officer of the Company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to the best of my knowledge:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and

2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: August 12, 2026

By: /s/ Dale A. Sander

Name:	Dale A. Sander
Title:	Chief Financial Officer, Chief Corporate Development Officer and Treasurer